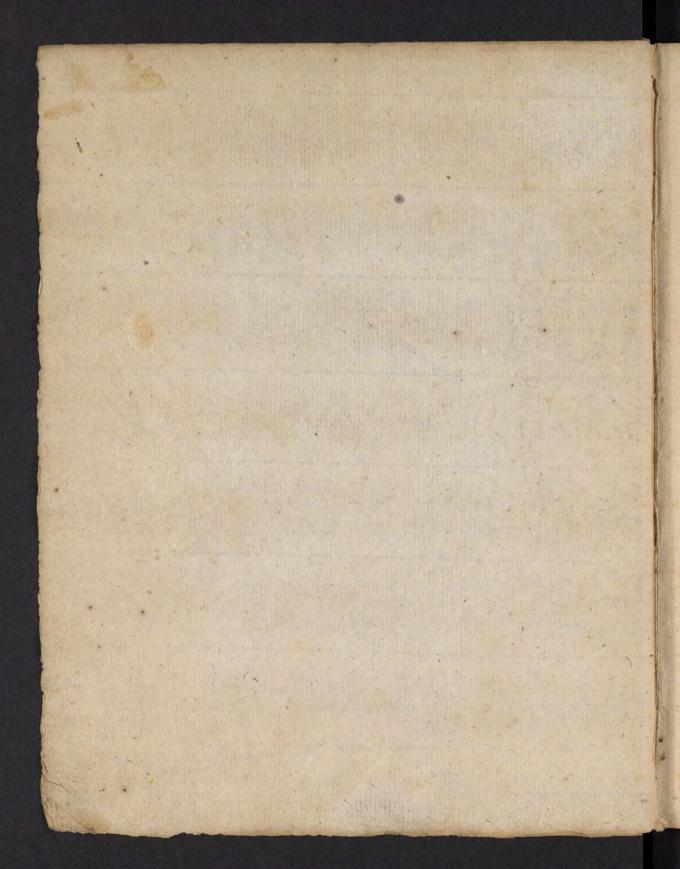
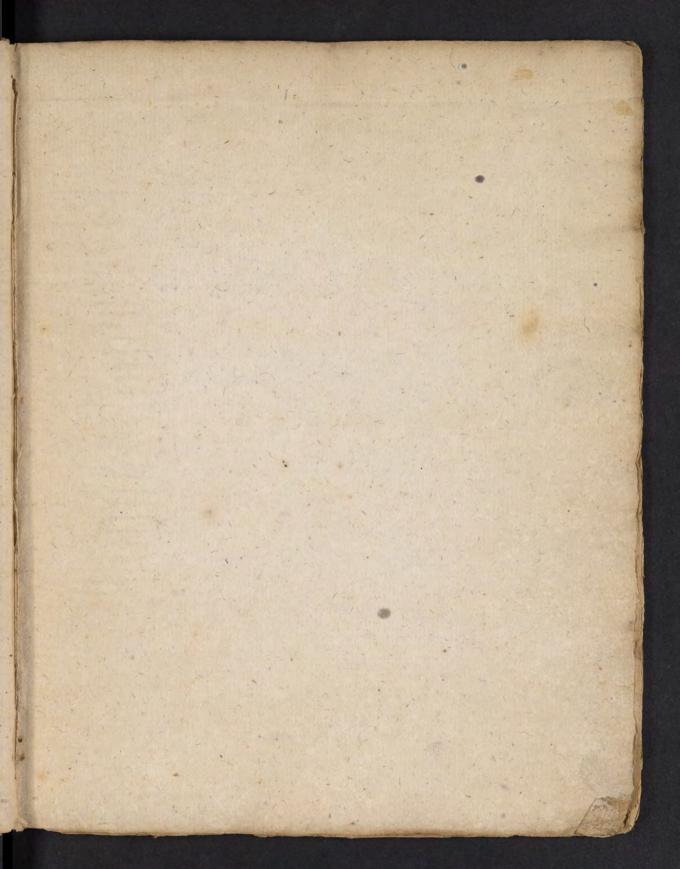
D'Ruhns Lectures

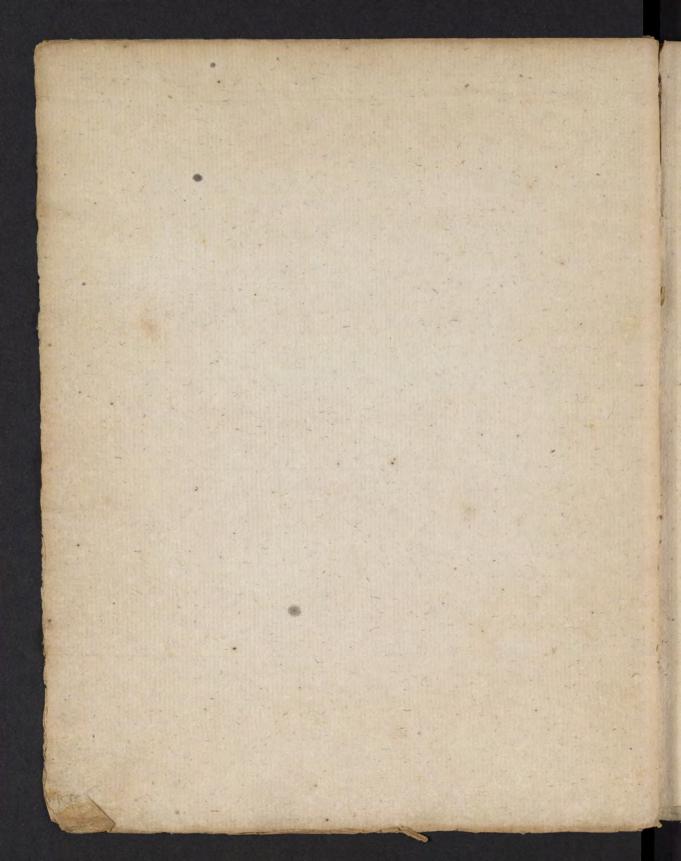


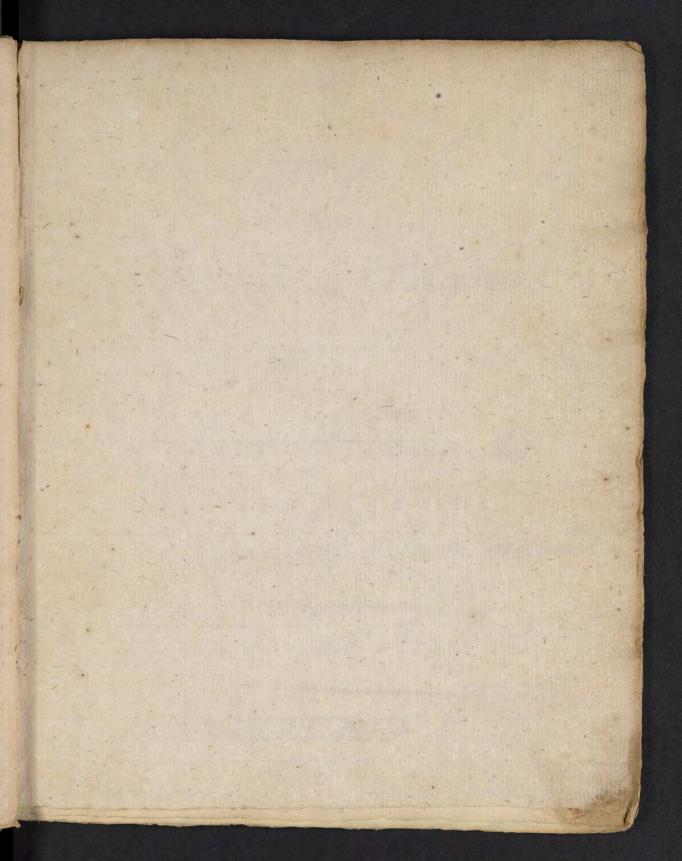
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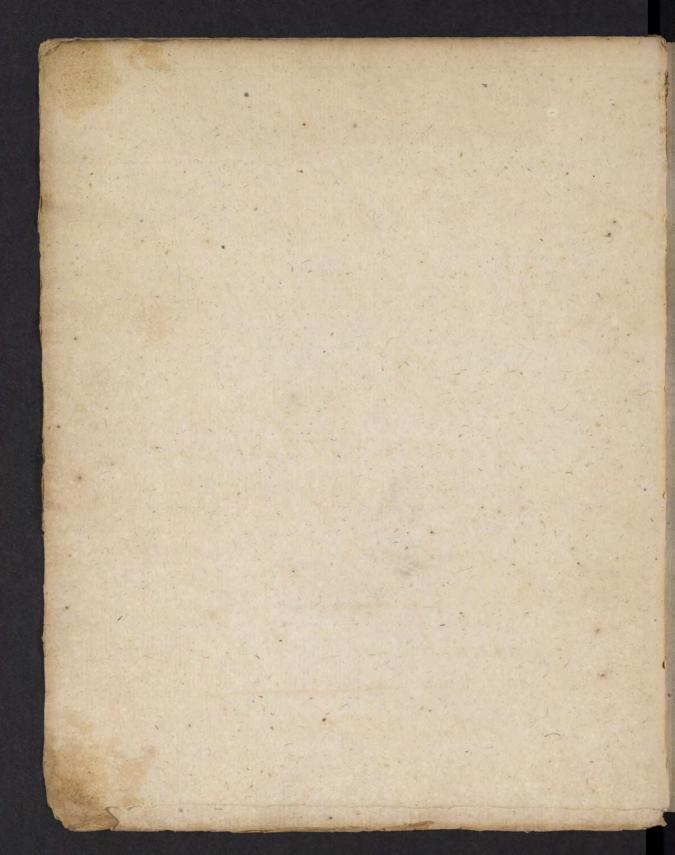
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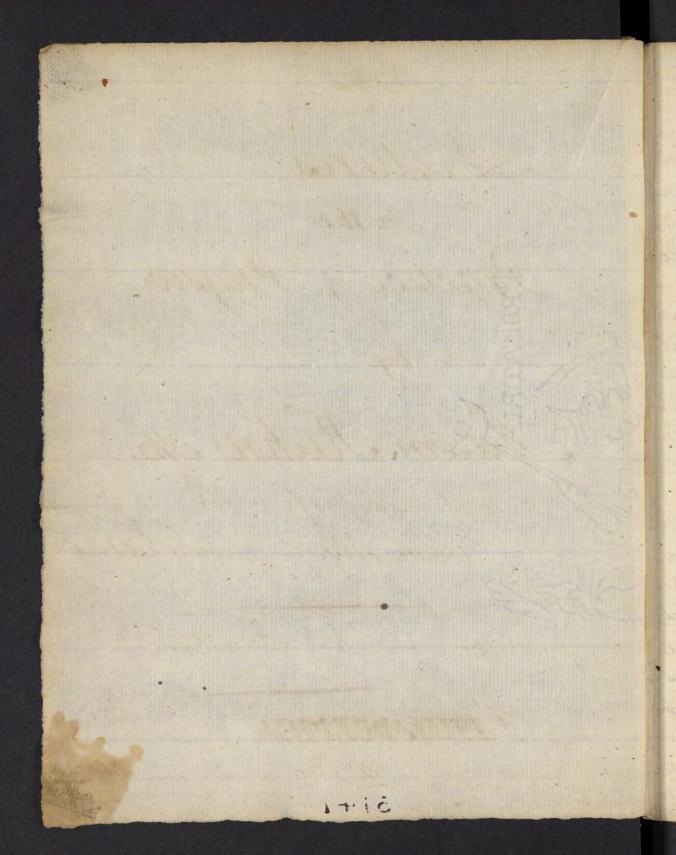








Notes Sectures on the Practice of Physics Adam Ruhn AD. & Mat. med prof in the University of Pennsylvania Taken by Mr Anatton PHILLADELPHIA



Sectures on the Practice

We are next Gentlemen to enter upon the practice of Johysic. It shall be my Endeavour to enable you to execute this with honour to yourselves and advantage to your hellow breatures. We are now to observe that when we come to the Bed side of a patient there is no longer time for Speculation. Some have supposed that a Yew months were sufficient to acquire all the Knowledge ne cepary to this Science, but the more candid and dis: cerning find that years are necessary. In order to acquire a competent Knowledge in this important Study, a general Knowledge of the Laten Language. with a Sufficiency of the Greek is necessary to under stand the Terms of Physic and the Derivation of Word also a general Knowledge of Natural philosophy, with an accurate acquaintance with physiology & Anatomy Chemistry and the Materia Medica. The History of diseases may be learned from the Toutings of authors, but the best knowledge is acquired from Experience; as you will know a person much better by seeing him once than by reading ever so many descriptions of him, Thus you will an derstand The Nature and appearance

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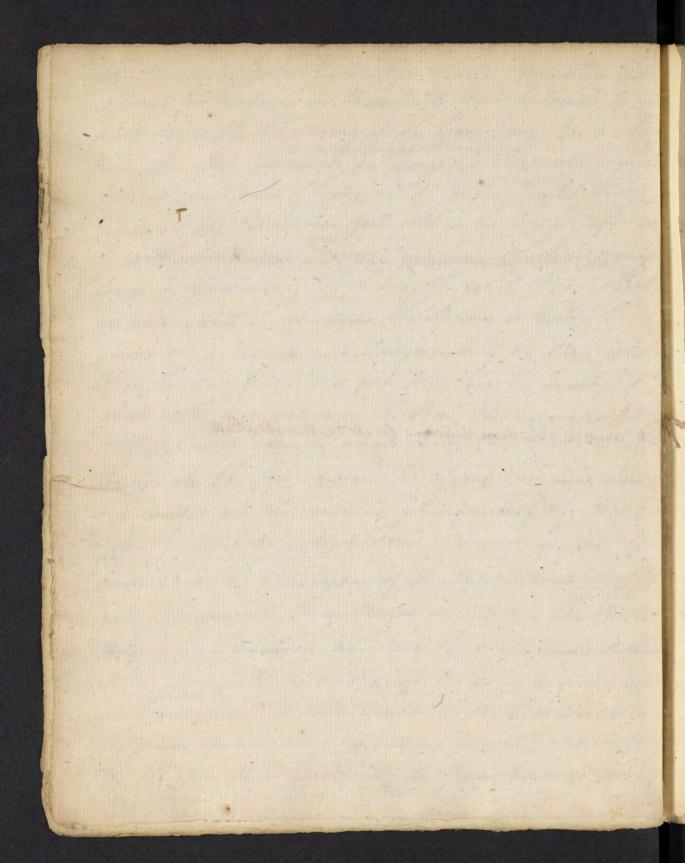
+ The Deins formerly evident disappear

Frimilar to the Skin of a new plusted food hence it has obtained the appellation of Cati anserina.

indicates. In chronic Diseases tittle dependance is to be placed in her Efforts. In Oroland Inflammations where there is danger of publifaction Mature is not to be trues. ted to. The general Tules for the treatment of acute Diseases are first accurately observe what Nature points out; Second never attempt to force a brisis here we should use but few Medicines. thirdly never use Stemula. ting Medicines during the Inflammatory State of a Disease. as acute and putrid diseases Constitute by far The greater number of diseases, the first I shall treat of is Fevers, and of these Intermittents deserve the foremost place as they may serve as a Type to all the resp. If he paroxy sm of an Intermettent comes on with general Lapitude and involuntary Jawning, & Shetchings, a haleness of the Countenance, the size of the whole Bo dy thinks, the Skin contracts, the papilla appear prominent and lings whom the Fingers that were commonly tight now fall off; this prominence of the papella is called Goose flesh; this is tollowed by a sense of bold in the Extremeties from whence it is communicated to the whole Framo. First in the Back from south sommon of moves from one part to another with a densation like as if Gold Water was running down the Back; this is by degrees extended

over the whole Body with Legors and convulsive Con. cufsions particularly in those parts least balances by other parts, hence the Chattering of the lower faw. In a short time the Skin dis covered, an increased Heat although the patient complains of being Ald. When the Chillings comes on the Extremities feel cold to the touch; after som time the bold and Tremon give way, which is soon for lowed by flushings of Heat over the whole Body, which increase untill it overcomes the spasm or bold: Then comes on a Tedness and Turges cency of the Skin, genera ly in the Face first it is first dry, then the Real Egins to abate with a moisture on the Skin, this increases till a profuse Sweat over the whole Body takes place which terminates the paroxy sm. The Symptoms just now a. numerated are the common Characteristic of the Barox -your of an Intermittent dever: I must however fre. mise that the paroxysm of an Intermittent is gene: - Tally divided into three stages which are the Cold Hot, and Sweating, and are obvious to every Bystant at the approach of the bold stage the pulse becomes I malle weaker I request than usual, as the bold increases The fulse becomes more irregular unequal & intermitting as the Hot Stage approaches, the pulse becomes more regular

I first percieved internally and then extended overtes * and the System returns to its natural State. X: ler

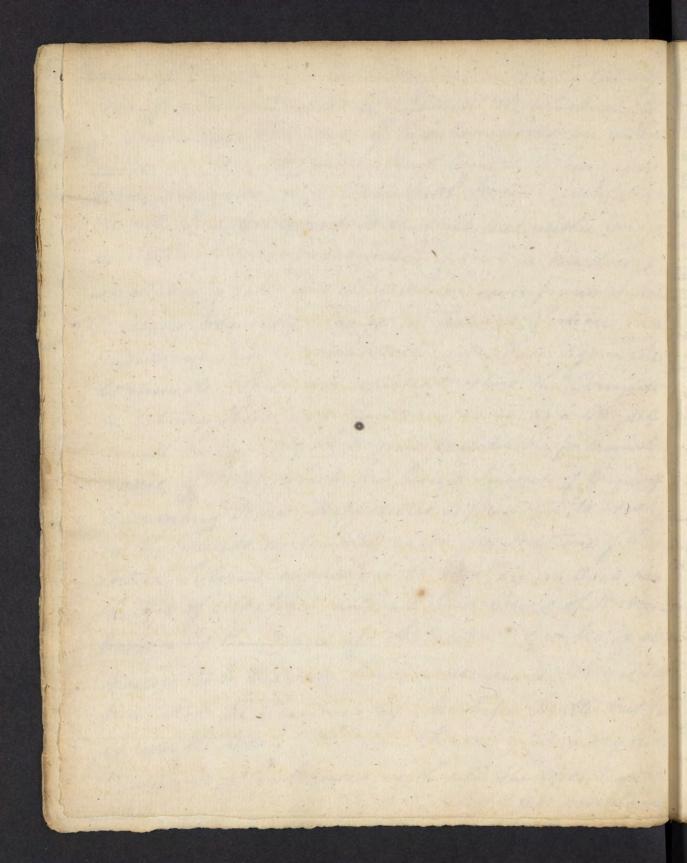


regular, at its height it is full and strong, and by degrees grows soften and as the Sweat breaks out the pulse diminishes in proportion and returns to its natu. ral State. With the pulse the lespiration under = -goes a considerable Change, in the Gold Stage it is small frequent and laborious with a kind of Structure across the Breast; in the hot stage it becomes more frequent and easy, and when the Sweat breaks out it returns to gether with the anxiety to its natura & state. The Stomach also is affected there is loft of ap. petite and a particular aversion to animal food; those accustomed to chewing Jobacco lose their relish for it. as the Gold Fit advances a Nausea and Us. miting comes on I increases towards the latter part of the Cold Stago. This Cometing seems to contribute towards bringing on the Sweating Fit, and as the Sweat breaks out the Bonneting to case entirely. The Secretions and Exerctions are also affected, in the Cold Stage the Saliva is tough and dry; in the Hot hit the Mouth is entirely dry and continues so till the Sweats breaks out, when the natural Mois. ture returns. The Urine during the Gold Stage is bold and colourless without Bloud or Sediment &

is discharged in large Quartities: In the Hot Stage it is high coloured but Still without Sediment as the Sweat comes on the wino returns to its natural Colour and deposits a lateritions Sediment Hools selvom occur unless in the beginning , till the hot stage is over except in Cases accompanied with Dearchron Tumours subsisting on the Surface of the Skin suffer considerable Diminution during the Cold Stage and allers are dried up, but both return to their Matural states as the Sweating comes on In the Gold Stage a pain in the Head is felt, which comes on with a throbbing of the Temples and is generally remo. wer by the Sweating Fit returning . During the Gold Stage Sensation is impaired, but as the bold Fit gives way to the For the Tensibility returns and is in some cases increased to such a degree as to become painful, but returns to its natural state as the Jweat breaks out. During the paroxysm the intellectual Faculti such as Memory te are very much disturbed, and as the Ast hit advances the patient becomes delicious and sometimes comatose but these Symptoms go off as the sweating stage advances. I must observe however here, that the bots but comes on with Drownings frequently with Coma. In the paroxysm the Organi tis in a grantion In no: he this -as as ever fo ans

of Sight and Hearing are often rendered so sensible that they cannot lendure either strong Light or Moise there have been bases where total Belindness has been brought on which went off with the paroxysm. Then are the most general and common symptoms but they differ in different Batients. The time that a paroxysm con tinues is various seldom less than five or more than twenty hours; This constitutes a single paroxysm. Some times the Gold Fit continues several Hours, at other, times not one, and there are but few severs that con sist of one paroxyom only. It will be necessary here to distinguish what is meant by Intermission and Interval By Intermession we mean that Space of time between the End of one paroxyom and the Beginning of another; and by Interval we mean that Space between the Beginning of one paropysm and the Beginning of another! The length of the Intervals is also various, The most common is the Tertian period which is that of 40 Hours, the Luartan 72 and the Luo. tidian 24 hours; these do not always return at the same Hour, but generally vary an hour every bit. To constitute a paroxy sm of un Intermittent dis necepary for it to be formed and perfectly over in 24 hours and before another return; but if the

· 8. succeeding paroxyom comes on before the other is entirely gone off, it is then called a Remettent, which is only an Intermittent protracted of those Temissions are without Sweat and Exacerbations without bold it is, then called Febris continens or a Continued hever Practical tin ters mention a Continent bever which has neither Terripsi. on, Intermission or Exacarbation, if such a one does ex ist it is very rate and what I have never found or seen. Quartans frequently change to Tertians, Tertians into Quotidians, these into Temettents and there again into Continual. These are repeated to show the Connecte: on between them and these may serve as a Model for all the Test we shall now consider the proximate Cause of Fever, which has been a Subject of Enquiry These many Years. Approvates supposed it to exist in the Fluids and hence arose the Doctrino of Con. coction Sylvices supposed it to exist in an acio hem the Use of alkalines, and all that Class of Medicine known by the tame of Antacida: Boerhave suy poseoit to be Viscosity, hence attenuants; others sup poses it to be occasioned by Norbific Matter but the is not the lease. There are hevers produced by bols Fear and other Causes, with all the Epential Commistance ely hour hour ijsi. uen. into into ste: it is in sup. sup. sup. ned



Circumstances of Fever and terminating by Sweat, & get at the same time, without any Evidence or Suspicion of morbific matter. We shall conclude that it is entirely a Dis order of the Newows System, and that it is we infer from the following Reasons: 1st If morbific matter was the Cause, the person would always sicken gradue ally, but, in most bases, there is no Indisposition fore: vious to the attacks. 2 no the Fit is frequently brought on by affections of the Mind: Dr Sydenham makes mention of a person having a Fit from seeing a Dormouse. Frely It is sometimes cured by affections of the Mind; in these bases there certainly is not any Morbific Matter in the Case. 4th It is sometimes produced by thereous affections, as Convulsions. in Children. 5th It continues during a Salvation, which would if any morbific Matter was present, carry it out of the System of seated in the Thirds. 6th It is most common to those Constitutions that are the most sen. sible and voutable. Ith It is cured by the Barko which produces no Evacuation but acts entirely on the Nervous System. 8th Newous Diseases as Epilepsy and palsy and frequently cured by terminating in an Intermittent Gever. 9th Intermetterits are sometimes and by External appli10. cations as Garlie, Tobacco and other Substances applied to the Wrists. 10th It is mitigated by an acute pain in any other part. That the Seat of the proximate Cause of There is in the Ner. vous System is obvious from its Effects. First it produces a Spasm on the tatieme Vefels in consequence of which atte mulus to the Heart and arteries is produced, this Spasm is the Foundation of the bold hit. This Opinion Hoffman and Whyth embraco. Whyth says it is not owing to inspissated Lymph but to a Spasmodic Construction, Whis appears a simple and plain account, and is the best that has been delivered. No doubt but this Shasm which is the principal Cause of the Gold Fit may be produced by opposite leauses, viz. Debility and Soutation. In one the Vis Vita is above its Hatural Standard, here the Cure depends on those Tem -dies which will lepen or diminish the action of the Heart arteries, in the other the Vis Veta is below its natural Stan dard as in the autumnal Territtent & Intermittent thus and Newous Fever. In this base the Inducation is to support the Wis Thata by increasing the action of the Hear and arteries. We are next to consider the proximate bau that have been thrown out by some of our Moderns and particularly that of the Celebratio Dr Cullen. Do Cullen on being elected Profesion of Beriative of Physic published a Work for the Use of those Students who atter the back. Ver: di: n is añi ater a been ipa sed, boo Tem art) Star Auto Hear Can ani ullen Ysii etter led

war in the state of The House the state of the stat anything and a grown observed from the the the state of the s Act decided and function in the same at the second second HE WAS A STREET OF THE PARTY OF THE THE REAL PROPERTY AND ASSESSMENT OF THE PARTY OF THE the state of the second of the where the the state of the second of the second of the and the state of t Mark Marie Many Marie Committee at the street of the second

- ded his Lectures, he divides the proximate Cause into three Stages, viz, Debility, Spasm and increased action of the Heart and Ortines. The two latter we allow, but to the former which is Debility as he explains its one. Tation I cannot subscribe; He argues thus that the Debility together with the Gold Stage and Spasm proves as Stimulant to the Heart and atteries, Thereby producing an increased action of them tell the Energy of the Brails is restored, till it has had the Effect of extending this Energy to the Extremo Defels and of restoring their action, and thereby overcoming the Spasm affecting then. But how Debility or diminished Energy of the Brain should prove a Stimulus to the Sanguiferous System 10 as to produce increased astron and Force in the Correntation sufficient to oversome the Spasm on the Extremities is to me a par radox: it is founded on Typothesis and we may as well say Strength arises from weakness. Joine it ap. pears more rational to divide the proximate Cause into two Heads, and Say They proceed from Debility and Sovitation which is not hypothetical but demonstra : ted by the Symptoms of ower and least to the most · important distinctions. Hypotheses and Theories are of no Use at the Bed Side of a fatient. The first Objects that strike a physician or ought to strike him are The State of the pulse, the appearance of the Countenance,

to enquire into the Stabit, to know whether the powers of Life are too weak or too strong and form his Indications accordingly. The two other Theories were sufficiently refuted when on the Materia Medias, but there is one which is that of Boer. have, he says it consists in Visitify lodged in the Map of Blood, and Inertia of the animal Fibres, but that this is not the loase appears 1th There are no Experiments that prove that a Wiscidity of the Blood takes place.

200 Intermittent is was to not happen when the Blood is most sizy as is. Rheumatic and plennitive bases.

3. They often alternate with diseases of the Stomach and Interlines:

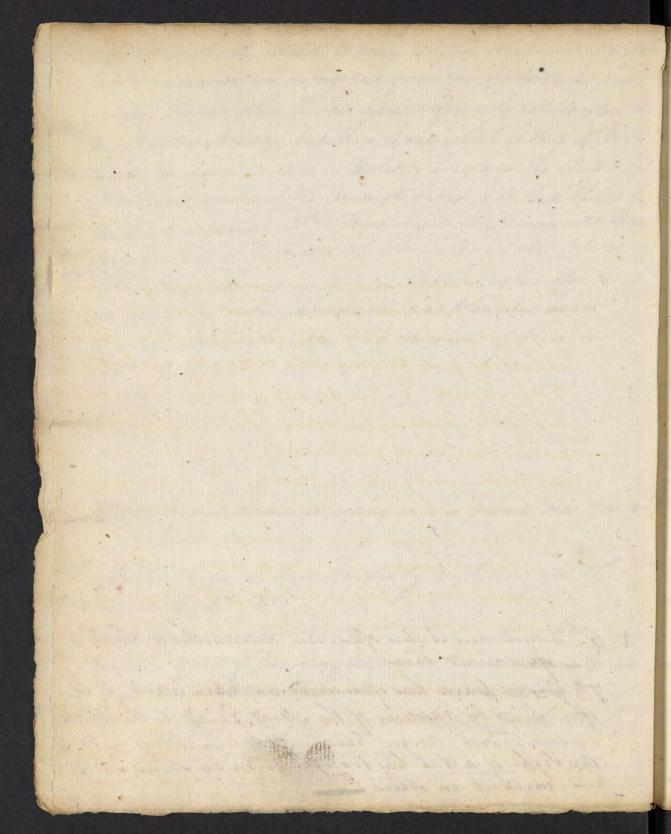
1the Because Medicines acting on the primo vio often re-

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pain has sometimes phewentes an intermittent.

The Some have been freed from a bit by a Fright, such as the of seeing a Tet run across a Torn.

er. not at \$ 6. Tomits and Bitters often cure Intermittents Sailing has then wired them. 7th Great pain has often circo an Intermittent . It is often cured by affections of the Mind; Parlie to the Wrists sudden Terror, anger have cured Intermittents and as the Sight of a Rat has brought it on in some so it has and it in others .



I shall now go on to consider some of the most remarkable Symptoms aftending Tevers. First there is a Horror or excepive tigor over the whole Body, The same as happens from exceptive Gold externally applied to the Body. Secondly, a Mausea and Dometing, This is occasi. ones by the Spasson on the extreme Defdels; when this is removed the Sukness and Comiting go off. I cannot how. ever forbear giving you a bast of Droydenhams in the plague which was, a Comiting happened and pre vented any Medicine from remaining on the Stomach, & he could not overcome this, but by external Means applied to produce Sweat, that is to take off the Spasm of the extreme Defsels. During the Comiting a large Quantity of Bile is thrown off from the Stomach, which has induced some people to consider this as the leause of In: termittents. But this we shall now endeavour to account for; The further we go southward. The greater Changes are made in the Bile, and Toarm Deasons

will also produce the same here hence Cholera is produces. This is most frequent in Marshy Setuations and it appears every Summer in the lower parts of this bity: This must arise from The unhealthy Situation of this part of the bity from lying low and being much exposed to the Marshy Exhalations of Con. striction takes place on the Surface which causes an access lation of Blood in the larger Depels of the Cenous Tystem and particularly of the Dena portarums; hence those of Seventary Lives are most subject to Congestions and Obstructions of The Teiserap. Blood thus accumulated produces a moreco pious Secretion of Bile; by Cometing the Beliany ducts are emulger but the Bile is only the Effect and not the Cause of the Diseaso. Thirdly Delirium this may be said to be of two kinds first that which arises in the Flot with Head acho and throbbing of the Temporal Arteries the is occasioned by the increased impeters of the Slow in the Wefsels of the Head and is the Effect of Frontation and ac. companies all violent inflammatory severs. I have known persons relieves of a Delirium by raising the Head higher: secondly there is another Delirium which is not produced by Impetus but Debility of the Velsels of the Bra hence Congestions which produce inflammation particul larly in the last Stage of crevers; This we judge to be Case from the dule and constant pairs, wito look &

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with the first and the second of the second was and one of the Land of the second of the second of the state of the s The second secon

sometimes from the phrensy which takes place. But from Disections of hersons dying of this Complaint it appears That there is no inflammation in the Brain. D. bullen explains this by his Theory of diminished Energy and par. teal Collapse of the Brain, which is cordently hypotheti. cal, for was this the loase Opium would be hurtful, where as we find that Ohiem may be employed with aboun. tago to take off the Delirium, till the Cause may be removes by proper Temedies for this purpose pediluvia with a small quantity of wine have been found we. ful The Opium by rendering the Brain insensible to the Stimulus of the Blood takes off writability, the others excite the action of the Heart and arteries. Thus the Irritation and Debelity or Inflammatory & newous Causes are to be distinguished. I come now to give you a general Sefinition of rever . hever are said to con: sist in an increase of Heat and a quickness of the pulse This is improper, as bothe these Symptoms may be produced without any fiver. Think it consists in an increases action of the Heart and arteries with a La. sion of the animal Junctions, we now proceed to speak of Inflammatory dever by bullen, termer Tynochas. This attacks robust persons suddenly without

16. without any previous Lafoitude and is seldom produced by les tagion but often by bold. It begins with a bold Fit, without the miting and is of short Continuance, the frequent ceturns of less with hot Flushings are not so much remarkable: The Het Fit arises with Tedness of the Skin and Turgescence of the Vefsels, Julness and hardness of the pulse, pain in the Bead, Backs larger Joints, Respiration is frequent but not difficult, som degree of anxiety, the appetite is diminished, but not entirely gono; there is a Mausea but seldom Comiting, there is likewo a Thirst with a Sense of Heat in the James: the Belly is bo and the Urino high coloured, it is generally of a Short duration seldom continuing more than Seven days. The Temisions and Exacerbations are scarco sensible, it terminates by a sensible Evacuation of Wrine or Sweat. The Cure depends upon Bleeding and such Medicines as teno to moderate the action of the te and arteries. Inow proceed to enumerate the Symptoms of a nervous Fever or Syphus this is most frequent in Toarm Seasons and Climates, and arises from a foreign Matter in troduces into the Body called Miasmas; hime people relaxed Habits and those exposed to debilitating Causes are most frequently attached by it . It begins in the Eve: ming with a Sense of Coldness in the dir, with a Slight Degree of Chill, succeeded by Heat, this atternately happens for two or three nights, going off in the Morning, the pulse is frequent but not full or strong, the strength and Tone

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and the second of the state of the state of the state of the second of the second of the first of the second of the Control of the Property and the Control of the Cont The same of the sa Service Building and the

of the animal Functions are diminished to a very great Degree, the appetite is lost, there is a housed and Momiting, want of Sleep, Delivium, the Heat of the Body is moderate and unequal in different parts; in The Extremities scarce perceptible: The Belly is bound, the Urine is pale and without Sediment. The duration of This Species of Fever, is from two to three Weeks or more, terminating without any Sensible Crisis. The Symptoms just now mentioned plainly discover great debility. These are the most common appearances of these two kinds of hevers; but they are frequently varies by a Combi: nation of another called putrid never, the Synochus of Dobullen. The Miasma or Contagion, which gives rise to the last, produces its Effects whom the Nerves, but when Thus combined they act also upon the blinds, by a Ferment which is capable of multiplying, as in the Small pox, where a very small quantity of Matter seintroduced on the point of a Sancet; is capable of producing an al. most innumerable quantity of pustules, which is only to be explained by the analogy of termentation. In the Small pox no Change is produced in the but in the putrid Never the Solids and blives are both offected. The Characteristic ymptoms of a putria Tever are, that Blood drawn, does not coagulate at all,

or if does the Serum seperates very imperfectly from the red Globules: The Blood owner spontaneously from various part of the Body as the Nose, Ears and Eyes; it is shit up withou any pneumonic Inflammation and is also discharged by Stor without any symptoms of aysentery, it is extravasated in The tete mucosum forming petechia, macula and Wibies. The Symptoms may be corroborated by others, as a fatis Break Stools and Wine; The Foton of Blisters and a Cadaverous Smell of the Whole Body to The Vapour or Effluria arising from putua animal Substances is the most deliterious bon tagion and is highly sedative. We shall now treat of the te. mote Causes of Fever and these are foreign extraneous Substances, taken into the Body that prove hursful as Mi asmata or Contagion. any Matter floating in the air that is injurious to the animal Functions is called Mias ma. The Effluria arising from a person sick, when con municates to another proves hurtful and are called Con tagion. They both often cause Diseases. Measmata are general of produced from marshy Grounds, and a certain degree of the Bold and Moisture do not produce Masmata, neither can Heat alone; for in Warm Climates if the Season be dry n such Effects take place; neither are they generated by the action of Heat on Water only, but from putrid Regetable to Stames operated upon by Heat and Moisture. It is not

hart thou stoo in Break rous ing son Te. is mis con loon nesa can the su

A STATE OF THE PROPERTY OF THE PARTY OF THE ALLER AND THE RESERVE OF THE SECOND PROPERTY SURPLEMENTAL BUILDING STORY HAVE BUILDING TO THE PARTY OF Mark of September 1992 The Star Star September 2014 September 2012 Market Committee of the BALL AND TO SERVE OF THE PROPERTY OF THE SERVE OF THE SER BUSH STREET THE RESERVE TO STREET SALES FAMILIES TO THE SECOND S

every kind of putrid animal Bills that produces Mil9. asmata, for Instance the City of Madrid which abounds therewith and where their Mecesaries are above Ground, was not found to be affected thereby. Ser John Mingle accounts for it by supposing that there is a Colatile Sals produced and evaporated from the putied Substances that purifies the air. But whatever may be its hature, it is more or les fatal in proportion as it is more or les confined; and more or less innocent in proportion as more or less diffused through the atmosphere. These Mas . Thy Effluir a always produce one kind of sever, viz, the Tertian, which sometimes degenerates into a quartan; those will be in proportion to the Strength and activity of the Miasmata and then in proportion to the distance from their Source. It appears from authors who have written in different Climates, that Fevers in all other Coun. tries are similar to what we experience in this and pro--duced by the same Cause. Next of Contagion; this arises from the Auman Body and has been supposed to be universally diffused through the air; but by later Observations it appears that this is not the base, as it is found to attack those only that are near to its Source and is rendered quite harmless by Centilation. This holds true with respect to the plague, which

is so much dreaded, and from which people have supposed there was no escape but by flying to a great distance. a person of bredit has informed me that he slept in the same House with only a Wall eight feet high , and open at the Top / between his Bed and one on which a person has dies of the plaque and yet escaped. The Cause of the plague is in the attmospher and this does not arise very high. In the Levant which is a place of great Trade and where the plague often makes its appearance, the Franks are preserved by shutting them. selves up close / The Christians in that Country are all cal led Franks ! By this and may other Instances it is foun that persons living in a bity infected with the plaque may avoid the Contagion by shutting themselves up, so as to a woid all Communication with persons and places infecte If the Contagion was diffused through the air this could me be the Case; but it is evident that it spreads a very little distance only. Its Operation or method of Communication is to be accounted for in another Way. It remains con. centrated and adherer to Farments, Furniture to and my by that means be carried to any distance, and exertide poisonous qualities for a very considerable time after, and is not easily removed by Centilation. a Blanker that belonges to a person who dies of the Small pox in England, was brought to america and retained a Quantity

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Quantity of the Efflueria sufficient to infect an Indian who purchased it here ! with the Small pox. This shows the Manner of its Communication and its Source; but how it was generated we are as yet ignorant. But suppose it probable that it was produced by a Ferment, and maybe differently modified in different diseases, and therefore not of that Variety that some have supposed. We have some specific Contagions always producing the Same Effects, as in the Small pox and Measles. The Effluria from the Human Body in putrid hevers and Dysentery by being suffered to remain unventilated, are therefore converted into Contagion: hence we conclude that Marsh & Human Effluria are the chief Sources of Tevers. The Cure depends whom a knowledge of the proximate Causes, but pre. servation from its attach whon the Remote Causes. Mias mata are the only Temote Causes of Intermittents. and Temitting overs and arise from Marsh Efflu. ina. But the Exhabations from healthy Bodies become noxious when not sufficiently ventilates; hence Conti-- mual and other Severs are produced in all places where large numbers of people are crowded together, whether in Jails, Hospitals or Ships; There shew great Sym toms of debility. Fever may be produced by other

Causes, as Gold. To have a clear I dea of Gold we must out pose it to act as a Sedative, Stimulant and Jonie; but fine of its sedative Effects. Heat you have been told is the chief Stimulus to the animal Body and the principal Cause of motion, from the opposite nature of bold you will expense contrary Effects. 2" a moderate degree of bold acts as a Stimulus to the Sanguiferous System, with an increased De termination of Blood to the Part to which it is applied. 3rd Cold acts on Inanimate Substances by condensing them, hence proves astringent and Tonic; in consequence of this East property, at the same time that it stimulates the Heart & arteries, it gives Jone to the arterial System, hence a phlo. agistic Diathesis is produced. The Effects of Gold when applied to the Human Body, may with propriety, into three Heads; first, bold by inducing an Inflammatory diathesis, occasi ons Inflammation and sopical affections, common in Vente Second, It produces Fever by its astringent quality, Obstruction perspiration and determining the bluids to the internal patt hence Obstructions and Inflammations of the Bronchio producing Catarrh, and in the Lungs producing bough Third. Cold is often the exciting Cause where Contagion is already introduced into the Body producing Nervous and putrio Levers which in the Beginning appear like Inflammator

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A State of the second s The war was a state of the William of the transfer was to the Board of When the william disease when you William Control and the second that the second the seco

Inflammatory Levers. If other remote Causes, under there we rank 1st Exceps in Venery, the debilitating Effects of which are well known, and it is often observed that new married people are more subject to Contagion and Fevers than others. 2. Intemperance in drunking Strong Li. quois, these the at first stimulating, yet when their & fects are over leave the Body much debilitated. 300 any great Evacuation on Fatigue and particularly in a State of Convales cence; Fear or Grief; all there are reckoned concurring Causes giving Strength to Contagion. But above all fear weakens the Tystem by diminishing the action of the Heart and arteries and sometimes to so quat a Degree as to produce sudden death, but com. monly acts as a powerful bouse, concurring with bon. tagion to produce hevers; hence those liable to hear are most subject to the attacks of Contagious Dis: eases. Glaving thus treates of the Occasional & proximate Causes of heave we shall now mention other Remote Causes as the presence of aliment in the Ho. mach and the particular State of that Organ. allows Tood when first taken into the Homach acts more on less as a stimulus and produces a frequency of pulse and some degree of Fever. This differs in proportion

proportion to the different quality and quantity of the bood taken in. We have Constituted three general Causes of Fever miasmata, Contagion & Gold; there are other execting & Occasional Causes, such as hear to which we have mention before and are not sufficient to produce hever but when combined with some other of the general Causes. Fevers an sing from Miasmata and bold may take place in bold boun. tues, and of this we have several Instances. Wele come now to speak of the prognosis of Fevers, and we must here observe that every Cause of hever has a tendency to hurt and destro the System, and in every Fever there are certain Motions ex ated to obviate that tendency There are called the Wis Me dicatrix Natura. There are therefore in every Lever, both morbid and salutary Motions; but the Salutary Efforts of Mature are involved in so much Obscurity, that they cannot the explained by their Symptoms, so clearly as to be applied to the establishing of Bragnosties; and this I think may be done by making the free alence of the ymptoms which show the tendency to Death in hevers the lines to form on Judgement by The Causes of Death in general are is the direct or Indirect. The first are those which di. suchly attack and destroy the Vital principle, as lodge in the Nervous System or destroy the Organs inme. diately connected with it. The Second or indirect loauses

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Causes are such as interrespt such hunctions as are 15 necessary to the Consulation of the Blood and thereby neces. sary to the due Continuance and Support of the Vital prin: ciple. The Effects of the general Courses may arise either from Irritation or poison; when from Irritation it produces such violent und repeated Excitements of the Heart and arteries as tend to destroy the Vital power diely, or by Their Diolenne destroy the Organization of the Brain; or the part more immediately necessary to the Corculation of the Blood. When from poison, this is a power capiable of destroying the Octal principle and which produces great debility, this poison may be either The Miasmala or Contageon that was the remote Cause of the Gever, or it may be a public Matter generaled in the Course of the Gever. In both leases the Operation of such a power appears either as arting chiefly on the Mervous by I lem, inducing the Symptoms of debility, or as acting on the Sanguiferous System, there producing a putrescent State in it and in the bluids derived fromit From all this we think Symptoms shewing the tendency to Death in Fevers may be divided into three Heads, Viz britation or Stimulant rowers, Debility or Sedative pow. ers and a tendency to putrefaction on Septic powers. The two last may be called direct Causes. The first occasioning an increased impetus may be ranked under the Head of Indirect Causes. The Symptoms that express an Excels

26. Excep of Stimulant or Broitating powers are the increased For Hardness and Frequency of the pulse; increased Heat of the Body and all those Symptoms which are the marks of a gener Inflammatory Deathesis and a Strong Spasm wheaving in the Suppression of Exerctions. There is a difference between a gu and frequent pulse: in general by a quick pulse we mean What have a particular jerks against the Finger and are dis tinct and regular; By the taken viz frequent pulse five mean those that are faster than usual but not distinct, n regular. It is well known that the Frequency of the pulses a relative Torm, and when we speak of this Frequency w must have in our View, the Constitution Temperament age to of the patient. In general we may lay it down as a general Tule that the Usual Frequency of the pulse in Dea is from 60 to 80 Strokes in a Minute; in Fever commo by from 80 to 120, above this is very dangerous; if of long Continuance the ratient will soon expire. This is not a general Tule but we may lay it down as a fatal Sympton This not only happens from exceps of Toritation, but from debility, as in deliquem animi. In lease of a full and strong pulse; the Stringth and some of the Heart is inde cated, and that the Contents are entirely discharged every Systole When full, quick and strong, it denotes the & cels of Stimulant power but is not dangerous und in affections of the Brain, as Coma and other Symply

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of apoplery. a full pulse without being strong if it can be distinguished is a favourable Symptom; shewing a Solu tion of Spasm, except in Sethangie or foporose Cases when neither the mulness nor Slowness is to be depended upon. The Soze of the pulse in the Wrish is different in different persons and in the different Wrists of the same persons. Tohen we attempt therefore to feel pulses, we must feel both Wrists, as the artery in one Wrist may lay more superfi: cial than the Ortery in the other. We must also in order to judge of the pielse, consider the beliation love and Tension of the arteries. By a hard pulse we mean that Fard. nep that eaceds the proportional strongth of the witeres. This is a symptom of Inflammation but it is difficult to be distinguished and requires a Consideration of the other Signs of Sension or Debility in the System This Hardness of hule is owing to Tension and therefore the pulso is observed to rise, when the Tension is removed by bleeding. The are also to judge of the Tegularity of the fulse by the intervals of the Strokes, being more or less equal and from the Si: milarity of the stroker to one unother us to thingth. When the pulse intermits in Fevers it is owing to Irutation, the Stimulus being unequally applied: and the Ivregularia ty is owing to Debility. From the Dottine of the pulse Thave joist mentioned, you may learn the doitine of Inflammation. Our Judgement of Fever is to be taken

28 from a Combination of the State of the pulse and other Sym toms. By a quick hard, strong and full fulse we judge the presence of Inflammation owing to an excep of britation and the power and degree of Spasm. By the frequent oft & small pulse we judge of the Degree of Debility and the mode. tate degree of Spasm. We are next to enquire into the Heat of the Body, which when increased is a dy infiton of Inflam. matory Drathesis; but the agree of this cannot be ascerta ne exactly but by a Thermometer, as the Sense of Telling to every One is not the samo; or the heat may be seated more or less deep at one time than another. When the Dea of the Body is lessened it is a sign of debility. The increased action of the Heart and arteries is to be judged of by the increased Hear of the Body, as when on Theeling the pulse a Sense of Heat is percieved like a Stroke of Hast, or as if the Heat was pointed to the Junger; when at the same time, less degree of Hear will percieves by applying the whole I we fow of the Rand to the Skin, Whenever the Reat of the Bo is preternative ally encreased, it is to be considered as owing to an inveased action of the Heart and arteries, arising from an Exceps of Stimulant power whereas little or no Hea shows the excep of a Sectative or debilitating power. Jam's speaking of Februle Heat known by a dryness of the Skin Heat and some degree of Moisture; this Moisture is not always a sign of Solution of Spasm but may be occu

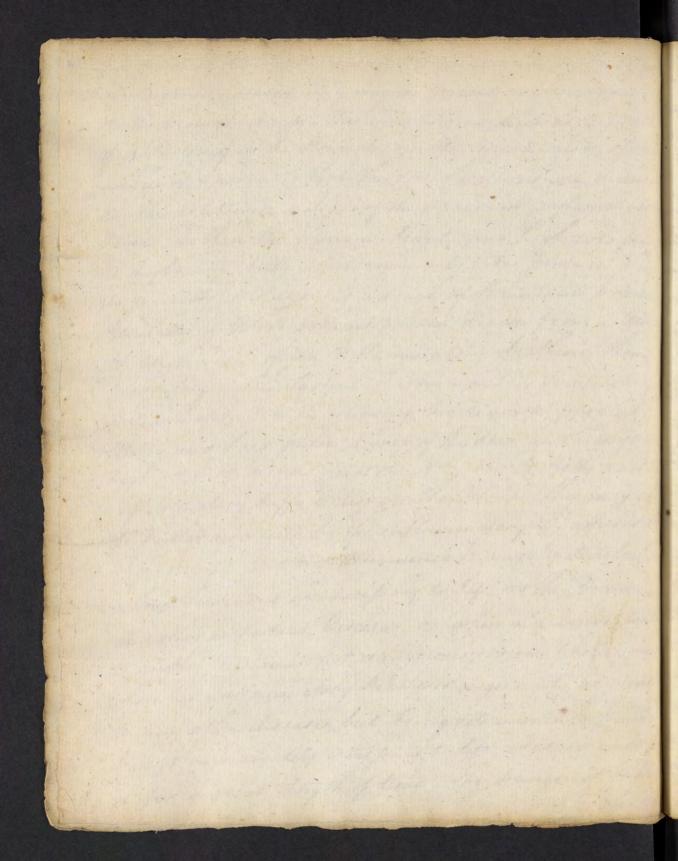
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sioned by the Violence of the Conculation, even while the Spasm continues. The Thirst and Drynep of the Tongue is also a common symptom of hever and is owing to a long - striction on the Excretory ducts of the Salivary Glands in secrete the Mucus and Saliva. The Crust on the Tonque is owing to the Minner parts of the Taliva being exhaled while the Micker parts are lodged upon the Jonque & Teeth while the Heat and Exhalation are continued and the Secretion suppressed. By this we judge of the State of the Spasm; This Coust when drychanges its Colour becoming brown and sometimes black thysicians have generally thought that a black Tonque was always a Sign of a putied Rever, but this is not so generally the Case as has been supposed, but it particularly indicates the degree of Shasmo; hence it is a favourable Symptom when this begins to give way to a moist & natural appearance. The preternatural thirst is owing sometimes to Spasmi, hence we observe it takes place in the bold Stage of Intermettents; in the Hot Stage Heat joined to the former Cause may in: crease it, and may be considered as the Effect and mark of the Stimulant power, and the degree of it to be in proportion to the Heat. acrimony also produces Thirst which happens particularly in leases of hue tridity; this acrimony may be desolved by plenter

30. ful dilution, hence Mature seems to quard against the Effect of so intense a Thirst, by giving the pratient a strong and co stant desire for drinks - This may be considered as a mark of putres cency in the Stomach. another mark also of the Degree of Shasm, is that the other Secretions are diminu Do, this is between a sign of the Spasm in Inflammator Trevers. In there the Wrine is Scanty and high coloured a dry bound Belly which commonly takes place in here is generally considered as a mark of Atimulant Bower Generally if Blood be crusted when drawn from a Clein it is a Sign of an Inflammatory Dratheris then prevailing in the System. I again repeat the Symptoms of Inflammation to be the following big a quick, frequent, Strong and hard pulse, drynes of the Skin and Jorique, high coloured Wine great Thirst, a bound Belly and a inflammatory buffy Crust on the Blood. This may als be further discovered by the inflammatory Diathesis be ing general and not determined to any particularpo whose Sunctions are necessary to Life, as the Brain Lun and other important Oiscera: or when not converted in to another disease is not dangerous; as in Theumatus where the Inflammatory Deathesis is generally as great in any other disease, but being determined to parts of are not immediately necessary to life, Nature will be it for a great length of time. The Danger of Inflan

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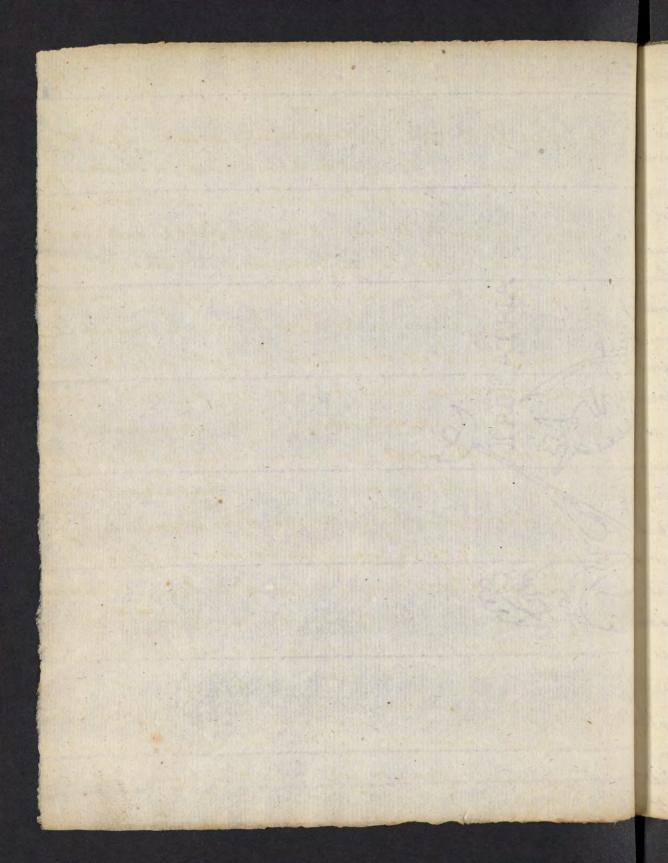
matory Deathesis, consists in its being determined to barts whose Gunctions are directly necessary to Sife as to the Brain Lungs to. The Symptoms of which the generally obvious are not always so I shall therefore point out the most distinguishing, some of which will always take place In the first place in Intermettents where the Gold continues bong, there is a determination to the Viscera . In Inflammatory deatheris there is a determination to the Brain. This in the former is owing to Spasm on the Surface occasioning an accumulation of the Blood in the larger Tessels, and a slower teturn of the Vinous Blood, particularly thro The Liver and Spleen and hence a greater Secretion of Bile and an Obstruction in the Viscera ensues In the latter it may arise from several Causes as the direct Course of the lessels and Timity of the Heart may favour this determination by throwing an unusual quantity of Blood into the Depels of the Brain. The following Symptoms from out this deter mination: 1st a pulsation and Throbbing of the Tem. teds communicate with and run thro the Os petrosums and it is owing to this that the hearing is sometimes affected. The pulsation of the Temporal and Baro:

Carotids may be distinguished by the Touch of the Tinguo but more particularly by the patient when he lays his hear on a pellow. This is also a mark of great distension the arteries. 2nd The arteries which convey Blood to the Head are greater in Mumber in proportion than in any other part of the Body; hence it is that a tedness and In gescence of the Face is owing to an increased Impetus of the Blood in Mose Wepsels of the Head, or to an Obstruction of the Venous Blood in its papage to the Heart, by a shas. modic Construction of the Sungs obstructing the Countre. thon thro' that Organs and of Consequence preventing a Teturn of the Blood by the Ocins from the Head. 3 moth Tedrufo after appears in the Coats of the Eyes particularly the adnata; when this happens without signs of Bosto in the passage of the Blood thro' the Sungs it points on The increased determination to the Brain. To these Symp toms are joined a Head ach, Watching and Want of Sleep which shows the increased Impeters of the Blood & determination to the Grain and is often attended with phrenitic delvium, with an encreased Sensibility to be Light and horse. The Next constitutes the most danger rows and common determination of the phloges two diathesis, Viz to the Lungs. This is known by a de agreeable Sensation of the pracordia, by anxiety

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Thewing its Inflammatory Tendency. By the difficult Tra mission of Blood Mis' Me Vena porta the anxiety is felt in the pracordia, the thomach also is liable to various affects from this Cause, as Cometing which may be produced from Inflammation of some of the Oiscera of the abdomen. In often happens in the Gold stage of Intermettents and is on ing to the Connection with the Surface of the Body while is affected with Spasm; so we also think it probable in the spasm induced by an Inflammation in any of the New bowing tescera may have this Effect, especially as we for This to be the base in an Inflammation of the Bladder. In distinctions are more obscure than those that point out determination to the other parts as in the Brain and Lun The Causes of an Inflammatory Drathesis are first ba nep of the Season and Chimate; secondly plethora, hence Mamore Its general Effects tend to destroy the snost important organ either by Effusion, Suppuration or Gangreno. Thus must for the appearance and Effects of Inflammatory deathesis; w come next to consider the Effects of Sedative powers whom System: Miaimata and Contagion are the most common Causes of sever and are of a sectative nature and posses debilitating power. In the plague Debility is one of the 4 in Leite from Cung GA. ; ev ont hep ho



first Symptoms, producing a weaker action of the Hearts and arteries. Debility may be distinguished two Ways, first by its Effects on the animal Tunctions, Secondly by its acting as a putrefactive Ferment upon the Fluids. Of Debility and its Symptoms: First there is a Lafortude & an aversion to motion and an Uneasine fin exerting it. Secondly, as the Debility increases the patient is unable to sit up or be in any degree in an orest posture, he cannot even lying perform the necessary Motions, he cannot lee on the Side at all but only on the Back, when the fewest Muscles are in action, but even here the action of some muscles is necessary to prevent his shiding down in the Bed. There are the usual symptoms by which an excep of De: bility may be known, but a more compendious Way is by examining the appearance of the Counten ance and particularly of the Eye. When the Muscles of the Face are lax and flacew, and the action of the Eye is langued it is a sure Expression of quat debility. This must be obvious to every one that will take the least notice of the Eyo. Farther a tremon of the Hand on any motion and partien. larly of the Tongue is a righ of great debility and often occurs as a Symptom of the fail Fever. When the Eye is fixed or squints, when the Ball does not follow

the action of the Eyelid; when the Eyelids are contracted with Sparm so as not to be shut in fleep; when the Lower faw is affected with tremon and Contractions, there all show that there is a strong Sparm produced by debility. Convid sive Motions sometimes happen in the Tendores commonly called Subsultus Tendinum, and a gnashing of the Teeth called Studen Dentium. These arise from the same Cause but are most common in Children and those of delicate Con, stitutions. Of the Effects of Debility on the Senses; The time passions are the Effects of debility; The Confident and assuming are the Effects of Jone and Vigour in the System. Dreams are the delirium of our sleeping, and Delirium the Dream of our waking Fours. Delirium is, when the patient be. ing fully awake talks incoherently. In Delirium arising from the ability the patient is calm and placed, his though are not turbulents or furious; but this is not always the ban for in the last stage of a Nervous Tever, Thave seen hersons, in a Johneritic delicium: here I think the Brain was particularly affected, and I believe there to be always mo. tal Symptoms. An Involuntary discharge of Faces is owing to a total Obliteration of the Memory or afooceals on of Ideas, for when Glysters are retained we know the it does arise from a palsy of the Sohincter but from a lofs of Sensation and ower it Cause to great debelety

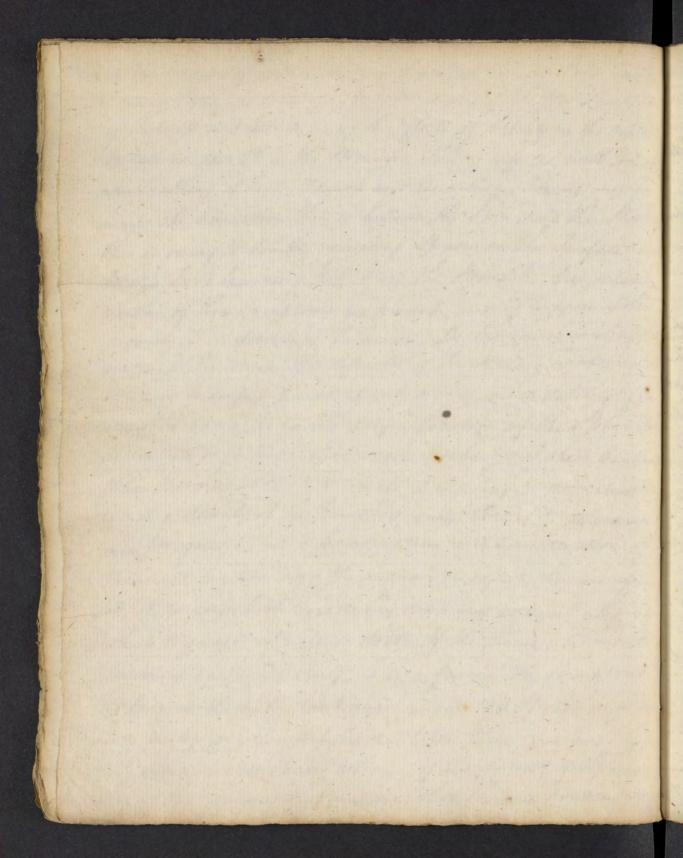
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or want of Energy in the Sensorium Commune. a lop of Hearing often attends Fevers but is not so dangerous a fymi ptom as some have supposed but is Ithink more fa: vourable than an increased Sensobility to Sounds. In: sensibility of Thirst, loss of Sight, an Imperfect and false Vision are strong Inducations of great debility in The Brains. Of the manner in which the Vital Functions are affected by debility: The Heart and arteries are primarily as fected hence proceeds a deliquium animi, Vertigo and dimnes of Sight owing to the diminished Force of the Coulations. By the State of the pulse and Heat of the Body we judge of the degree of debility or begoin in the Corculation. of Where is a weak quick hulse, if the Heat is less than natural, we are sure that the debility is the Cause. a dry Tongue indicates Hear, a moist one indicates debility and is characteris. the of a Mervous Pever . If no Blood uppears in the Cepels of the Tunica adnata of the Eye, if the Eyes and all the Fea. tures are sunk, with bold colleguative Sweats, boldness of the Extremities, and palenep of the Countenance, these indicate the last degree of debility and universal Telaxation. Of the Symptoms of Debelity that occur in Esperation: among there are frequent and laborious Breathing; when this happens without increased action in the Heart and arteries, it must be owing to debility, particularly

38 in the Muscles of Tesporation: another Sign are constant invo luntary Sighs. a Change of loice is one of the first Symptoms of Sukness and debility. Of the Effects of Debility in the natura hunctions and 1. in the Stomach: This is affected with anore ia Loathing of Good, Mausea and Comiting. Imentioned for merly the Connection there is between the Skin and the Stomas this is owing to debility inducing Spasm on the Surface, and by the Good becoming putrid in the Stomach; but when neither of these symptoms are present, we may suppose with propriety that debelity is the bause. Deglutition is among the natural Junations: If a difficulty of Swallowing happens with out any manifest bause, it is a sign of great debility: to w may be added the involuntary Telaxation of the Sphincter accompanied with an insensible discharge of their Contents Johen this happens at Intervals it is owing to delvium. A is not a debility of the Sunctions only that is to determine our prognosis, but a Combination and Consideration of Them all to gether and the manner in which they are affect. ted. It is impossible here to lay down any certain Tules by which to judge of lefe or death of the Heart retains its power of emplying itself, it is a favourable symptom; as long as the pulse continues winder 120 thokes in a mi mute funly a great debility has taken place we may hope for a favourable your . We judge of the approach of Inflamma. tion of the Brain at the same time that there in evident thou

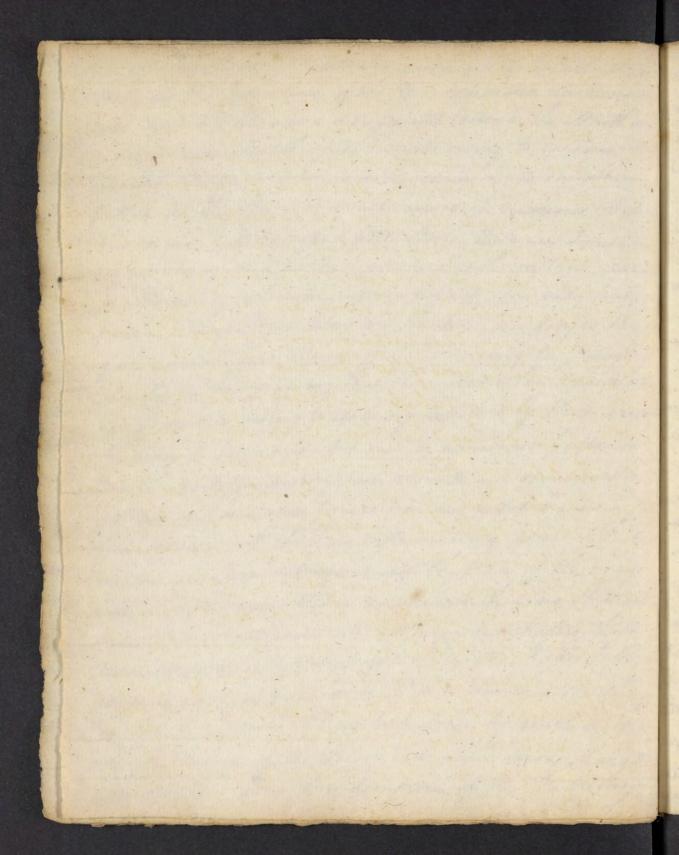
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of debility in the System, by a very great Sensibility to Light and Noise whilst other britations are not attended to. Topical Inflammation may happen without being universal, with in. creased Sensibility, not only of the part affected, but also of those immediately connected with it; as when many Defels of the adnata of the Eye are filled and turged with red Blood, while other parts of the Body whear to be de. prived of their usual Supply. Other Symptoms of Topical Inflammation of the Brain are a want of Sleep, con = . Hand Watching, Testle sones, Inquietude and Delirium; there all indicate a strong I vitation of the Brain. In. titation applied to any other parts is capable of producing similar Effects. You may remember that I constituted two kinds of Delirium viz the Edirium arising from britation and the Delireum arising from debility; and these may be combined to gether. The approach of Inflammation may be known, whenever so hidden, by a small, quick and hard pulse. The presence of trois tation may be known by the State of the Wrine; wh from a high bolour immediately changes & becomes hale I Colourless. Thus have I pointed out the presence of Irritation and debility, I come now to speak of the sumptoins that capies the prevalency of the Septie on putrefactive power, it is known 1. by a Coathing of animal Tood; a nausea and longing for arids;

40. a great Thirst and a particular desire for audulated drink These are the Indications of the Dis Medicatries and Conserve trisp traterra. There is a dis agreeable taste in the Mouth and a dis agreeable Breath . These may be owing to carious Teeth diseased Lungo, or what is more common, to something putrid in the Stomach which aresed in midorous Beling There is also a discharge of fateo Stools; These are Symptoms of putrescency and are accompranied with constant nause and Comiting, which arises from debility. The only putre. faction that can take place in the Aurican Body is that of the alvino Laces. We judge of the tendency to putrefailer also by the following viz that the Blood when drawn wil not congulate owing to its being depolved by that great Tendency to putricity; but this is sometimes fallacious, for in an Inflammatory hever it will not sometimes coa. -gulate; and sometimes from certain accidental Causes in pu trid hevers, it will show an Inflammatory Eaust. The Con cretions and Secretions depend upon the state of the Coaque. lable Lymph; when this is so changed that no Signaration takes place but all unites into an uniform Mass without Formule , or when an imperfect Separation takes place, we may conclude from all these that there is a Tendency lowards putigaction, partieularly when by gentle agitale: on the texture of the Blood is broken down Large Menotruation may be a Symptom of the putrescency

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of the Flyids as the Blood thereby is reduced more fluids an Evacuation of Blood by the Wrinary passages is a frequent Symptom of putrescency in both Sexes. Hamorrha ges in futrid diseases are not confined to any particular part of the Body. The atra Blis of Hippocrates is Blood that has made its papage to the upper part of the Intertines and remaining there some time undergoes very great Changes and is afterwards discharged and is generally supposed to hea jatal Symptom. In the worst kind of Jutia Levers the Blood is sometimes duchas ged from the Nose Eyes, Ears and even this the hores of the Skins, and that without any increase sed impeters or fulness. The Blood in these Fevers is not always discharged theo' these Outlets but is effersed into the Cellular Membrane; it may be putrescent while circulating but when effused produces a Sphacelus or putrifaction forming petechia, Phasula and Wibies. Other Signs of hutlescency are very high coloured and fatio Wine, but this fallacious. Temarkable faton of the Sweat is more certain with the fotor of Blisters and a Cadaverous Smell of the whole Body; there commonly occur in the last Stage of the disease, From all these combains our Judgement of There is to be former. We are next to enter into the Methor of bull in Fevers. I shall be as minute as popible and take particular Notice of the least Circumstances, for cer. - tainly

420. tainly where the Health and Life of the patient is in danger we ought to take particular notice of the very least boround that may occurs. Different plans and Modes have been pro Sposed by deferent tohysicians dome are for following Mature trusting to her Indications alone but this has only served to in troduce a feeble Practice. The principal Cause of Fever is debility and in that base Mature is not able to relieve her self, neither are her reducations always proper; However they are not to be disregarded but a Medium is to be observe the Method of bure is to be adapted to the Causes of Fever which we found to be three, vy. a Stirmularit, Sedative, and lette powers. To take off an Excep of these is to be on first Indication in the Cure; and first to remove the Exa of Stimulant hower. This is to be done by those means who dinimish the action of the Heart and asteries, and this again is to be effected three Ways, first by quarding against & ritation; decond to make use of certain refrigerants on Sedatives; third, by the less of such means as produce a general Telaxation of the folids. We are first to treat of the avoiding britation which properly comes under this Head and for avoiding it we must avoid all those Causes of it h occur in the ordinary Course of Life and moderate those the are unavoidable. This forms what is called the antiphlog the Tegimens. Under this title are comprehended all the

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medicines that are used in Inflammatory severs as Oblice. ding, purging to. But it is improper to extend it so far, because removing the Excep of brotation is necessary in all Tevers altho wrising from albelity which is seldom cured by direct Stimuli. The antiphlogistic Tegimen consists Therefore in avoiding every cariting affection or witation both External and Internal Mas act as Stimulants whom the Body. First every uneary Tensation is to be avoided whether to the Taste or Smell; secondly the Stronger Sents and Odows are to be avoided, thorby, all Light and hea. ring and seeing Objects that the patient is unaccusts. med are to be avoided, and enjoying darkness and Alence which is the first part of our tegimen in hevers. The are to avoid every Object or Expression that excites Thought and as the person will unrout tedly be en deavouring to see and talk we may here gratify them in some good measure by presenting a light Carrety of pleasing Objects, which requires Harticular attentions. These may herhaps appears trifling Corcumstances, but it will undoubtedly be of Be nefet to you in practice. Car Intellectual Faculties may be akewin affected by Soutation, Therefore every thing that tends to disturb the passions is to be avoided ex: on of Thoughts and seems to be owing to the want of Imprepions, hence introducing Light and presenting The

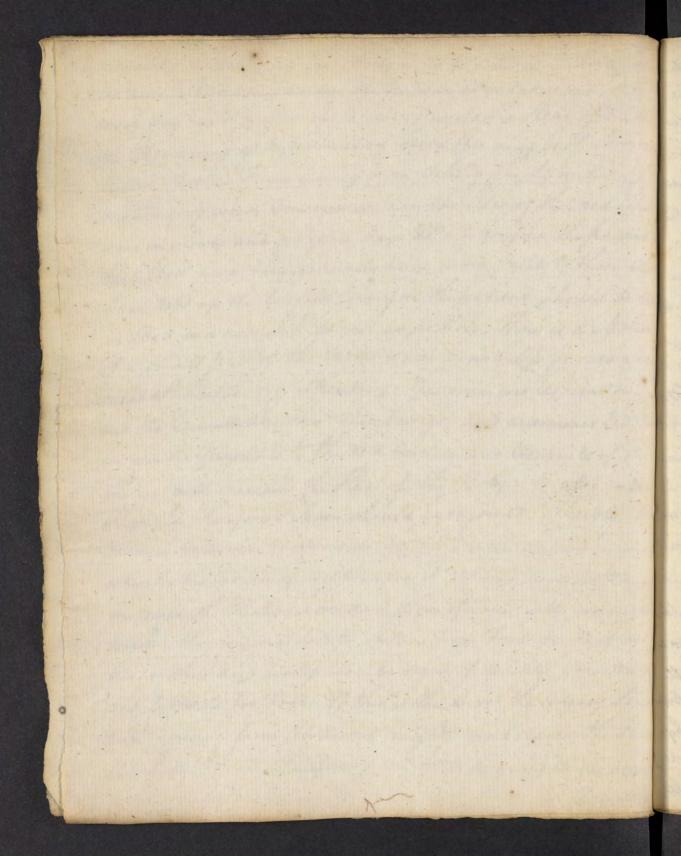
44 Mind with accustomed Objects or addreping the person in a Fameliar Style dispels the Confusion and hestores the I dead at least for a Timo to their usual Tegularity. There are two other Impressions which are unavoidable, then are Heat and Cold, by this I mean the Impression of the surrounding atmosphere and first of Gold: In the beginning of all Fever the ap. plication of Gold increases the Sharm and often is the principal consurving Cause with Massmata in producing never. When Therefore any horror on Shivering remains Gold air is to be avoided but when the Hot fit comes on Cold may be at. mitted in Moderation as It Heat is the Himulus then to be avoided. Heat is the fundamental Stimulus applied to our Bodies and is essential to motion in the animal Ma. -chine and in an healthy State is always present to a cer. tain degree and is always a general Stimulus to the System The animal Oconomy is popels of a power of generation Heat, but it always has a Telation to the state of the Sur. be in a latio compounded of the Body with within and that of the Atmosphere without which will be greater in Warm bu mater but not in proportion to the increaser Heat of the ble mate, for as the Heat of the atmosphere is greater the generating hower of Heat in the System is less. In the M Stage of Lever therefore the boto that before was herne

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pernicious may be now salutary. The generating power will be increased as the Cloathing is more thick and warm of capable of confining the Vapour. The application of Acat there. fore in Fever whether from the Five, atmosphere or that produced by Ged Cloaths may prove Stimulant and inorease the disease. The avoiding of Heat is a matter of Consequence but there are two Exceptions to this tule very the Warm Bath and warm fromentation, there relax the Skin and determine to the Surface and therepy produce a Sweat which obviates the stimulant Effects of the Heat. In general Heat is to be avoided and its Increase prevented Iif above 62 degrees by the application of bold so as to lepen the usual Heat of the atmosphere of the Toom below what is comfortable in Health. The application of Gold air in the Small pox, and the Cold Bath in publid Frevers have been found safe and useful; but how far it may be applied to other nevers is not determined with accuracy. We have now mentioned those Causes that produce Irritation on the Sinses, we shall now in the second place mention Those Irritations that arise from Motion. Every Motion is a Stimulus to the Body, and this Stimulus will begin proportion to the Number of Muscles which are into action and the length of the Continuance. The longer Muscles are kept in action the greater will be the Stimulus pro

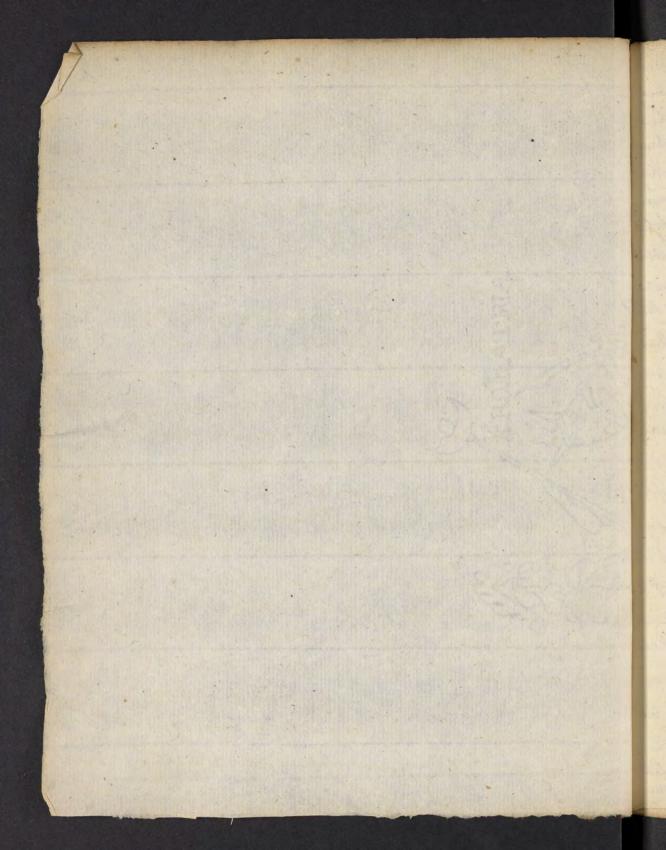
. 46 produced. To avoid this the Body is to be law in a horizonta position. Sydenham advises the pratient to be taken out of Be every day, and as often as he can to avoid the Heat of it. In The Beginning of Inflammatory Levers this may be of Service but in Nervous Fevers arising from debility the Stimulus of motion is of worse Consequence than the heat of the Bed. Thus come on slowly and for some days do not confine the patient. his Bed and they generally prove most fatal to those wh have kept up the longest, therefore the patient should be by in Bed and as much at rest as possible. There is a Motion of a small part of the Body which nevertheless proves a ver great Stimulus, viz. Speaking; this increases Tespiration que ens the Circulation thro' the Lungs and determines the Bl in greater quantities to the less auricle and Centricle of the Heart and increases the Heat of the Body: It also intus Thought therefore Vilenew should be enjoined. Thirdly, In tation is occasioned by aliment. By this I mean aliment in genus which by the Exercise of digitation whom it, always proves a Stimula increases the Heat and excites a degree of Fiver with an incres pulse; Therefore it is best to abstain from Good, for the first two or three days, unlip there be signs of debility, or a Matu ral appetite for Tood. If this is the Case, the uneasy Sens tion arising from abstinence might overbalance the stim lus of the Good, therefore it ought to be gratified in small Quantities Thun ent a who who tion A very atu Sens tim tities



Quantities. The quality of the aliment should also be atten ded to; it is stimulant in proportion to its alkaliscency & Therefore animal Good is more stimulant than Wegetable. The Stimulus also depends upon the degree of Solubility of perspirability of the aliment; the Himulis of digestion will also sell when be greater or les in that proportion, there. fore, although we would not enjoin total abstinence, yet we should carefully avoid all Stimulating Food Vemploy such Elegetables as are of the easiest Solubility and particularly the Farinaceous prepared and given in a liquid form. These are often insipid to the Taste and require bon. -diments to be added to render them palatable. The most proper for this purpose are Fruits as Taisins, Currants to as being the least Stimulant. Here I had chiefly in Dieso The Continual Tever for in Intermittents the Stimulus prevails only during the paroxyomo: Nowishment is to be allowed here whenever the appetite craves it during the Interval . Of drinks employed in Levers; here Is hall only consider the stimulant quality of drinks. on this account Wine Spirits and Fermenter Liquors are forbid except where bustom has rendered them has : bitual; but this is caro. The moderate Use of her : -mented Liquors is notwithstanding lep stimulant

48 than alcalescent Food. a Glap of toine is lep stimulant than Zj of Beef - Wine therefore is better than Flesh . In trea ting of Fermented Liquors we have their Stimulus only in view and in general the most mild Siquors are to be preferred. Then is one Concumstance to be attended to with respect to drinks which is that the Stimulus of Thirst is also great upon the Body, so that the patient desires large quantities of drinks. The antients were as regorous in abstaining from drink as They were from Good; yet altho we would wish to gratify the Thirst with drink it cannot be safe in such quantities as would undoubtedly prove Stimulant and thereby increaset horse of the Circulation . Hence small & repeated draughts suitable drinks should be taken In Inflammatory severs to drinks are dangerous and drinks moderately tepis are more proper. In this Country an Inflammatory State is the most common in the Beginning of severs and we have very un versally got into the practice of giving topid drinks to our patients; but in Newous and other low Thevers the drink shoulabe entirely bold. There is another kino of with tion which arises from brudities in the Homach and from Tetention of the Loves in the Intertines. and here I shall observe that we have Fevers vising sometimes from these law only therefore they ought to be removed . This may be done by Emetics, Jurges and the frequent Use of Emollient Glysters to lake · This britation.

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While a Spasm substists on the Extremities and Moughout The System, the action of the Stomach in discharging its Contents is impeded. hence an accumulation of brude, indigested Matter remains in the Stomach. The Gastrie Siguon and Bile are also regurgitated producing a considerable stimulus and oright to be attended to This explains the Use of Emetics and diluents of which I shall have occasion to speak horafter. The Contents of the Stomach are avacuated somes or later in proportion to their Fundity, and therefore delients are nicepary and useful; as well to render the Contents of the Stomach more fluid, as to remove the Stimulus arising from an increased acrimony in the Fluids and to relax and open the several Exerctories. Thus, Think Thave given you a full account of the antiphlogistic regimen and shall nest proceed to de. scribe the methods necessary to take of the Excep of this mulant power by diminishing the action of the Heart and arteries. This is to be done, first, by certain Sedative powers of this hind are all those Umedies called Tefrigerants; & of this Class acids are the most powerful. acids have als ways been employed in Hemorrhagies and Inflammate: ons; they remove thirst partly by the Tefrigerant quality. diminishing the Heat, and partly by stimulating the Exerctories of the Blands and thereby promoting the Secretion of Saliva and obviating Clammines frutrid Substan: ces are apt to be generated in the Stomach and nothing

will correct this putrescency in the Stomach equal to aid They being antiseptic and determining to the Skin and Ridneys and the Mecefore to be one of the chief Medicines in the Cure of Levers. Of these the Vitriolie and Vegetable are prin - cipally used, and on some accounts we prefer the latter; they form an intimate Mixture with our Thirds, are less concer trated and do not produce such sudden Effects as the fopil acids, but are more proper to produce a change in the Blow They are also powerful antisepties and are useful in promoto The determination to the Skin and Winny papages. For the purpose Vinegar Whey is an excellent drinks. Acids and aces. cent Truits are the next to flysters, they are of the greater Use in Inflammatory and putrid devers, are nourishing and laxative. The Sectative Salt of Homberg is deservedly niglected. The next order of Tefriguants are the Mentral dot of which Attre is the principal One: This is a powerful lefor gerant, but its manner of Operation is not so easily accounted for Some have supposed it to operate by its Coldness for Newtrals we Dipoloted in Water generate bold, but as that bold ceases soon after the Solution is finishes, and as the Satts are generally exhibites is a dipolved State their refrigurant power in the animal Dody does not depend at all whon their power of generaling Colowith Nater. It is best given in Substance as its Effects are greater when depolving . If the Mitre acts as a Tefregerant, all am moniatal Satts are of the same Nature The Regenerales Sartar

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Tartar and all the neutrals composed of the Vitriolic acid have the same Effects only in a less de gree except the Common Salt which, I have before observed to you, is one of the greatest Mimulants existing. The most common Effects of Neutral Salts are on the Stomach, determining the Thuids to the Surface and hence are diaphoretic and directio. They are not only lefrigerating but antisepte having the same Ef. feets as acids and generally prove lax a tive. After Shysters and actid Fruits, the next step we take to oborate Costeve. nep in Levers is with the realizate Satts. Both acids and Neutrals stimulate the Branchia and excite Coughing, particularly in some Constitutions; this is more the Effect of the Muriatic acid than any of the other acids or new: trals. a Gentleman obscired that he could not use the least quantity of Nitre not even two Grains in Glyster with. : out its producing great pains in the Sungs. This therefore should make us cautious in the Use of it in hulmonic af. fections. There are Others that are observed to be refrigerant these are the saline preparations of Lead which are astrin. gent, Refrigerant and Sedative; they are also possessed of a nareotic quality & induce palices and the Colia pic. tonum. The Saccharum Saturne is a powerful Medi. cine and useful in many External diseases, but intermally is a doubtful Temedy if not a dangerous one.

I sometime ago saw the evil Effects of the Sarch. Saturn to produced exeruciating pain; and death itself was the Consequence It was given by a person unacquainted with physic. Such people may dis cover to you its good Effects and you will not have to answer for its bad ones. I ron and Copper have been recommended in Jewers but with their Effects here I am unacquaintes the have now to treat of the Third Head viz removing the Excep of the. mulant power, and this is to be done by diminishing the Jone of the arterial System. This is owing to Tension, the reme. ving of this Sension therefore is the principal Means of obviating the Effects of the Excep of Stimulant hower, whether it be occa sioned by the increased quantity or belovity of the Blood the Effects are the same. It is to be some two ways very, by Oble ding and purging. Of Bleeding as employed to diminish the Excep of Stimulant power; this depends chiefly on the sid den Celaration that takes place during the Operation. The Effects of Bleeding will therefore be in proportion to the increased Tone existing in the arterial System; for in some bases of Aysteria where there is a preternatural Construction of the arteries, a small quantity of Blood taken produces very considerable Effect Tile are now to consider its Effects in removing the Tension of The arterial System in diseases arising from debility in ish Bleeding is not proper . In a piece Inflammatory Jewer where an increased action exists Bleiding is the safest and most eff ofle in in the ting ca. sin. cts a all

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tual ternedy; but in putied or kervous devers, even where There is considerable inflammatory Symptoms & where the Sedation prevails you are not to use the Sancet, or at least with very great Caution. This must be determined by the following Considerations, first from the State of the pulse when it is full haid and torse with a Turgescence of the face and tedness of the Eyes, if there be a determination to any particular part, and when fixed about the Thorax, and when accompanied with pain, Calareb or Cough, there point out the presence of the Inflammatory diathesis and the necessity of plentiful Bleeding. But second, where these Symptoms are not so evident, and when the prevailing Epidemie is accompanied with Symptoms of debility, then we are to be governed by the following Symptoms, viz. by the fulnas and Vigour of the patients Constitution and the Habit of Body if young and plethorie. There are also some Constitutions uncommonly Inflammatory, and neither a Head ashe, pain in the simbs nor even uni. versal pains are to determine us when to use the Lanes In some a Disposition to Hemorrhages as Bleeding at The Nose, and others that have been accustomed to this Operation, there bear Bleeding best and require it most. The more the patient has been assurtomed to bleeding at The Mose the better will he bear the Operation. Third

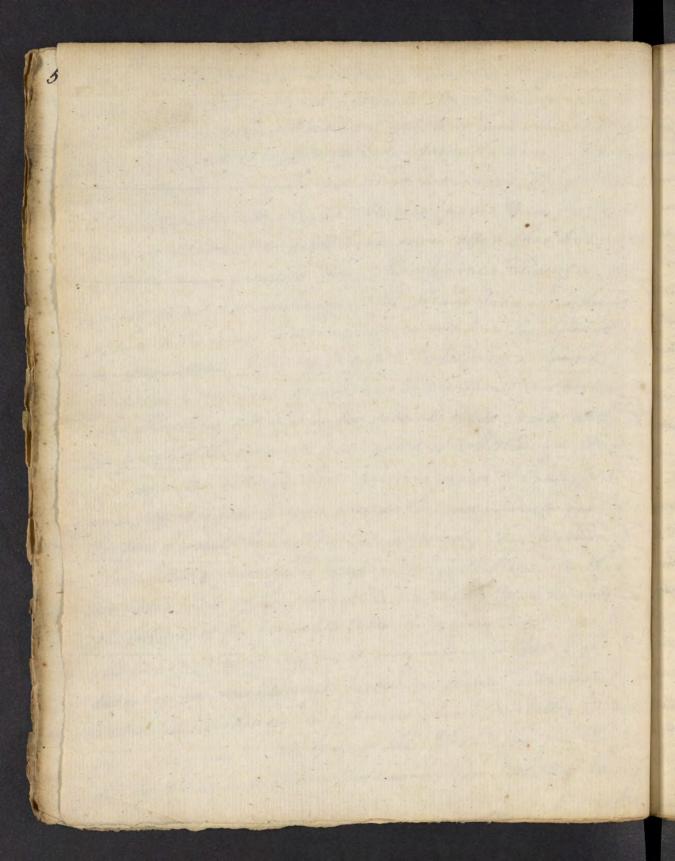
we must consider the Climate: northern Inhabitants hear this much better than the Inhabitants of Southern Colimates The different Seasons of the Gear are to be considered. The Spring and Winter most frequently produce Inflammatory Diseases, and Bleeding is therefore more proper in those Seasons, particularly in those disorders that are purely Inflan matory. Still however we should fray particular attention to the prevailing Epidemic, that is, If I know that a bon tagion prevails, I will therefore be cautious, even if the Symptoms at first appear inflammatory: This will be furth determined by knowing the nature of the Temote Cause; if from Gold only Bleeding will be proper, but if Gold bean the occasional leause Concurring with Contagion we must be cautious. We must also consider the Type of the disease if it is an Intermittent or Termittent particularly in autum there do not bear or require Bleeding as freely as continued and will therefore make us cautious in the Use of the Land Twe are also to be I termined by the Time the disean has continued: at first the Sever generally appears Inflammator here in the Beginning Bleeding may be used, but in the latter Stages is seldom mise say or proper. Bleeding is most effer. tual when employed early in the Dinaso. When there is on Topical Inflammation our defficulty with respect to this ration is increased. In Inflammatory Fevers where the Lumpton ates. ore of flam bon further if rut iean tum reial lama atory atter is on he stone

Superior of sector. The second of the second Carry District Assessment Country of Carry of the Country of the L. . . Special and the second of the second The same of the sa The said the ALL COMMENTS AND ARREST ARREST AND ARREST ARREST AND ARREST ARREST AND ARREST AND ARREST ARREST AND ARREST The sale where to the Tuesday County of the willing the sale Manten Control Control of the Contro ALL A PROPERTY AND A PROPERTY OF A STATE OF THE PROPERTY OF TH

Symptoms in the Beginning are not very consider able yet sometimes increase here Bleeding may be used with Safety; but whenever the disease is advanced the more Caution is necepary. With respect to the Tepetition, if the pulse is smaller than we should expert in a person of equal Oligour and at that time of sife, If by the first bleeding it is raised, if there be an inflammatory ap. : prarame in the Colood, then it may be repealed with Satety and advantage of the Symptoms require its uso. The inflammatory brust commonly taken notice of as a bris terion being absent does not determine the absence of the Inflammatory diatheris; because this appear ance may be early altered by certain bureum tames in the manner of the being drawn; and further we know that this appear rance often takes place in the Beginning of Newous Fevers and yet Bleeding would be improper, at least a Expetition would be highly so. Therefore we are not to judge from the appearance of the Symptoms seperately but from a Combination of them. On this Tespect there is a particular difficulty in bases of determination to the Brain; in the advanced State of Nervous Frevers where no Irritation not even a little There can be taken without mying; as this determination does not arise

56 from a general phlogistic diathesis of the System so general Blee dings would be useless and injurious. We are therefore led to by Conclusion that topical Bleeding is only to be used. This is found to be more useful than pounds taken from the arm. I have seen an Inflammation of the lyes which was purely topical removed by scarifying the upper Eyelid. Leaches applied near the Eye or a small Scarfication will have more Effect than two hounds of Blood drawn from the arm. Thus topical Bleeding is more useful in an Inflammation of the Brain than in a determi. nation to the Lungs, but may also be useful in the latter Case. In Intermittents Bleeding is not to be performed during the bot Stage; in Continual Tevers There is sometimes a Shivering and blushing afternately for several days, and altho the accepsions of the different paroxysons of a Continued Thever an with difficulty distinguished, yet some degree of Exacerbation is generally observed to occur once within every twenty four hours therefore I would be cautious of performing the Operation of Blood letting during the acception or bild stage. as the sud. den Telaxation of the Tone of the arterial System depends whom the largenep of the quartity taken in a given time, this points out the necessity of drawing it from a large Orifice. Eight Dune taken in one minute will produce a greater Telaration than twelve Ounces taken in two minutes. Every Irritation is to be avoided during the discharge of the Blood, therefore the paters should not be in a sitting Dosture as this position requires

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the action of a Mumber of Muscles and these by their. action tend to support the Tension. No person would in attempt to bleed another whelst walking about nor yet in an erest posture and the recumbent of Horizontae as the most relaxed position is to be preferred. We should not bleed while the Arctation of a Blister is present, for whilst the Blister is irritating the Bleeding will have lettle Effect; it she Therefore be performed either before on after. There means of demissishing the Excep of Himselant power is by purging. The Hardnep and Telention of the Faces are owing in a great measure to a spas modic Construction of the Exerctory techelo of the Intertines, these Vepels usually secreting a Flue to soften the haces and bubricate the bapage thereby to render their Expulsion easy. But this Excretion being now suh: -preper a hardness and blention of the vaces is the bon. : Lequence This Obstruction is to be removed by the Use of mild purgatives and Glysters where warm Water alone is sufficient oftentimes and is always of Service. Obviating the Constriction of the extreme befsels in all parts of the Body is an Object of great Importance in the bure of hevers. Thismay be done without increasing the Evacuation by Stool and Merefore falls under this Head . Drawing off the Contents of the Intertines may diminish the quantity of the Fluids independant of The Evacuation by Stool. This is done by the derivation of the Thuids in larger quantities than usual to the Intertines. Doing This suddenly, is therefore a very considerable Means of diminishing

diminishing the Tension of the arterial System. But you are to observe that the derivation made by purgatives is more slow and gradual than that made by Bleeding, and that the To Laxation is not so great in proportion to the quantity of Blind discharged; whon the same principle that Blood drawn from a small Orifice will not relax the System equal to the same quantity drawn from a larger Orifice, and Leaches will not have the same Effect as Aleeding. We must also observe that every discharge by Stool tends to diminish the Strength and det the Equilibrium between the Turface and Bowels. The Operation of purgatives is to be considered in another View Dig, that the is a costain Balance between the External and internal frants & therefore an increasion Dorwation of Fluids to the Bowells will neceparily diminists that to the Skin. We are also to consider that many purgatives are possessed of a stimulating quality an that this Stimulus is easily communicated to the whole System Therefore from those several Considerations the Cautions necessary in the use of Burgatives will be obvious. Their Stimulus will avoided by the Use of Mentral Salts such as Glauber's or Epin Sales. Jurgatives in the Beginnings of Frevers maybe prop to diminish the Tone of the arterial System in Rigorous Consta tions but is not equal to Bleeding. In the last Stage they as thurtful but when there is a Constriction of the Intertines an haces become copious from being retained; when from the the of the Stomach we know that they have become acrid. I The Bile is thrown in larger quantities into the Intestines , purgatives are necessary. another is when Congestions

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formed in the abdomen and considerable determination to the Discera takes place these are to be removed by purgatives such as tend to open the Exerctories, prevent the accumulation in the Tena portarum and relievo the Spleen. Therefore in Bilions and autumnal diseases as they are generally of the putrid kind, Thave no doubt but Evacuation by Stool will have a good tendency particularly as Evacuation by Stool is the most natural for the Bile. The Contents of the Intertines be. ing more liable to putrefaction than any hast of our blieds mild Laxatives are therefore proper in putrid Ferrers but must not be continued on repeated so as to weste the patients Strength, Having thus finished the use of purging in Severs I now go on to consider other Means made use of Twees. The insreas. sed action of the Heart and arteries may be diminished by means of such temedies as produce a general telascation of the Solids. This is to be obtained only by Warm Bathing, this acts on the Simple Ribro, but its most considerable Effects are on the moving hebre on Solida viva. The Warm Bath therefore as a powerful antispas modie which we shall have an Of. portunity of mentioning . Of there Medicines that are employ. ed to relax Spasm, by determining a greater proportion of Minds to the Surface are 1th Delivents: There are principally water, by plentiful dilation the extreme Defsels are filled their Teaction restored and the Shason overcome. Trevers are therefore some times entirely and by diluents, this is illustrated by the Di. eta aquea employed in Italy, France and other Countries of Europe. Their Methor is after the prima tio are eva60. cuating to make the patient drink as much as he can dena an eminent physician in France highly recommended the Diata aquea: he makes mention of one young person and an Old one who was cored by this method; he imagines Warm Toater tole better than bold water, but in the Summer bold water mays used. Warm Water is used by some and bold by Others. The Ita · lians snake use of the bold, but I think in general it should a little warm, except in Intermittents, Nervous or putrio dever where the Cold Water is to be preferredz; but in all Inflamma tory Javers it requires great Caution in the exhibiting it. The par. ticular Use of bolo Water we shall soon have an oppertunity of mentioning. We come now to speak of the Neutral Salts as the next blass of Temedies used to determine the Elicos to the dur face, there are in fact certain in this Intention and given in the bold his of Intermettents shorten the paroxysm and remove Domiting. These have a power of determining to the Surfacely their immediate action on the Stomach; for this purpose the Saline draughts have been used and the common Sal ammon Saline draught, are of service in Cometings and in the Coto ? of ordermittents there are not certain in Orelieving the Comiting but as they have a power of determining to the Surface may produce a more perfect Solution of the Spasm. But there are others which seems to be more powerful. The Saline draugh is but a buble ternedy; when used it should be given in the au. cepsion of the paroxysm and in larger doses. We shall his ever make a few temarks on the general and different kinds of Neutrals employed for this purpose? 1st The value

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or the local building of the And of the other Res. WHITE A STREET WAS AND STREET, WHITE PROBLEMS AND ADDRESS. There there was a super which as the an in his it was ever and gray White the transmitted of the second of the s Charles to the Control of the Contro and the second s

Draught prepared of Lemon Juice and the Salt of Tartar bus that prepared with the Wotatile alkali is more powerful. There is also the Spirit of Mindereus formed of the Wegetable acid and Colatile alkali. It is of little Service in the quantity commonly giver and has even been given in the quantity of half a pound in an Hour without having any Sensible Effects. Nitre has been chiefly employed as a Teffigerant, but in large quantities is Diaphoretic. It affords us a useful and agree, able drinks in Inflammatory Levers, when prepared in the following manner viz take of Mitre Zij Acetum Zij, Wa. ter Ziv & Sugar 35 : This is very a greeable to the palate and Stomach. The next blass of temedies employed to determine to the Surface are Sudorifies. The Use of then has been much disputed by Johysicians. "weating at the sevents Lit of a Vertian often proves a Cure, but what this depends up. on we are yet i gnorant of for when critical we do not discover any Critical Evacuation; all that we small deter: mine with regard to Sweating is, that whenever we produce a Sweat by heating Medicines given internally, or by means of external Ternedies we may depend on its being hurtful: there is one Exception to this Tule, viz. that of Warm Bathing. It is therefore necessary that we should be fixed in some man ner in knowing how to manage them. In Intermittents there is an Especial manner of employing Sweats so as to prevent the acception; but this often turns Intermittents into Te. mittents or Continual Fevers. We go on to consider the Objections against the practice of Sweating and the

Cases where it is improper. First, where it is forced by In. flammatory and Stimulating Medicines. Second, When it is excited by Heat externally applied, as the Heat of Bed Cloan The know that the Sweat is injurious by the following Igmp. toms; viz. If while the Sweating is continued the Heat in oreases, the pulse grows harder the Head ache continues or is increased; if the Sweat is clammy, It fluid; if it is partial on by appearing on the Head, Face and Breash: in these leases Sweating instead of removing has a tendency to increase the Spasm. If the spasm does not yeld we may expect some Topical Inflammation to take place, by occasioning thereby a determination to the Head, Lungs on absominal Viscera and therefore ought to be avoided. I shall now mention in what bases we may make Else of Warm Bathing . 5th When the approach of a Fever can be percieved as in the base of Intermittents in the Gold hit, sweating before the acception is useful and should be supported till the Bit is over, on untill the Teturn of the next paroxysm. Continual Fevers may be prevented by these means. The fail and Hospetal hevers may easily be known and in the Beginning of then Sweating is useful. In the 2" place, when a Continual Lever is gust come on we may radically cure it by Sweater properly conducted as in the plaque of must be used in t Beginning of the disease, or else we increase the Fever. In The advanced Stage it is not so sucreful and this Tule for obviating Lever particularly applies to Inflammatory Trevers. The Inflammatory Devers of this Country are

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often accompanied with a spontaneous Sweating fut it does not bear increasing. If the pulse becomes softer and fuller not harder or quicker, Sweating may be continued. We are however in this to observe what I have before tolo you that if the pulse is hard and full and the Head Ache and delivium increase it will then if continued prove fatal. after proper Gleeding, I weating may be employed for Rheumalism and often effects a bure. In Mose Intermittents where there are abdominab Congestions Sweating by determining to the Surface may be useful; espescially if accompanied with a Laxative to prevent Topical Inflammation. I have thus from Facts mentioned where Sweating is serviceable, I shall now goon to consider the method of exciting it. The gentle Stimuli that may take place I shall have occasion to mention bye and bye. with reg as I to the Method of Sweating it should be some with as little Stimules as possible and by the most gen. the Methods such as warm Bathing and Tomentations, here is some Telaxation to compensate for the Stimulus; but no increased quantity of Bed Cloaths except on the Feet on Sher external Stimulus shouts be applies. If the pulses does not become hard, but continues and soft it may still be encouraged. The plaque is to be cured in the same manner, by the same gentle methods of exiting sweat. of Sweating is deemed necessary, it must be continued for a proper length of Time to Bhalmus very properly confi : ned his patienty in Bed for 48 hours, but it is difficult

64. to persuade your patient to confine himself so long. The 3.00 . thod is that if we attempt Sweating in an Intermittent, it show not be used on the intermediate days, but on the day and for vious the acception of the paroxyom, and should be continu ed tell the next acression. Dr. Clark a late Eminent fora titioner at Edinburgh nas adopted this Method, but found it very difficult to induce his patients to continue a Sweat so long. In Intermittents altho' the Sweaking be copious, & the paroxyom is removed yet a return is not prevented. The 4 direction in the Conduct of Sweating is to make it union sal and to endeavour to bring it to the Feet as quicked possible. a Fifth direction is taken from the last by observing That all interrupted or partial Sweats tend to increase the hever. The are therefore to take bare that no bold be adm ted while under the Sweak, neither air non any both apple cations. Sweating should never be attempted in Linner if it cannot be avoided it must be changed frequently to obviate that dampnep Linnen cannot fail to produce, whither Bed or Body Linnen. Much danger has been apprehended from changing dinnen in a Fever, but this is groundless as it may be done with Safety oreen in wes provided the fresh Linnen be thoroughly aired and drued But what is far preserable to Linner is Woolen, hence who ever you sweat your patiens put on Woolen Blankets & a Woolen Shirt - this will prevent the patients taking Cold. After Sweating is excited the Cloaths should be only sufficient

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sufficient to keep the patient comfortable. I am in the last place now to mention the Medicines employed to excite Swear ting, and here we must observe that the patient is to be cover red so as to Confine his own Effluria. Warm Water is sufficient for the purpose of Sweating, but something is to be added to render it more grateful, as Sage, Sals aprafo or any When kind of Jea. But the best addition is Wine, franticu. larly tome Tokey . Vineg as whey may be used also and may be employed if the Wine Whey contains too great a deque of Stimulus. If these fail, Medicines must be em. ployed; of these the most certain is Opium. There is no such a powerful antispasmodic as Opium: it acts by re. lasing the Excretories and stimulating the Heart and arteries. The Meat are Mettral Salts. There have little Stimulus & particularly determine to the Surface. a due proportion of the antimornal preparations, or pecacuanha with the Neutral Satts form an Excellent diaphoretic Medicine. Cold Water is an excellent Sudorific, ets. Effects are produced by its action as a Stimulus on the Stomach. The Emetic Tartas and all the preparations of antimony are frequently as powerful Sudorifies. Thecacuanha & Opium form Dover's powder: but Emeties are of the utmost Importance in our practice of viewers and require our particular attention. They are at present employed allower Europe and are of great Service in Levers. Of their Ofleration, Wertues and Effects in Levers we must now

66 enter on the Consideration; they are twofold . 1th asemployed to excite full Comiting; on 2ndy to excite housed only. July Comiting discharges the Contents of the Stomach, invites other pluids into that Organ to be evacuated, viz. from the Lever Spleen, & pancreas. Mothing is more evident than that they emulge the Biliary diets, hence the frequent Ejection of Bile. alsa from the Exercise of Forniting all the above minal Ourcera are compressed by means of the deathan To . The Effects of Emeties are also to determine the Thuis to the Surface. Not from the Sweating that owners during Their Operation do we prove this not by the Exercise by by their particular action on the nervous Fibres of the Stomach, for Emetics given at the approach of the both Sin puts an End to it and introduce the hots or sweating Fit. This may be produced by Emetics without Termeting; the is therefore a desissive proof that their action is only on the Fibres of the Stornach; this also proves that Spasm is the proximate Cause of Lever; and the Solution of that Sparm is a proof of the propriety of their Uses. Tile go on further to consider the Use of Emetics. If Emetics are en ployed to evacuate the Contents of the Stomach, full Dom ting is necessary. This is generally necessary in the Begin ning of all Frevers and before the paroxy sm of Intermi tents, but some difficulties occur with respect to their Use; where there is a tendency to Inflammation, they are impro for . another Objection is Obstructions in the Liver and Spleen

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The state of the second of the Live was a market only make the working your the the IN THE PARTY OF TH was the wine during a will as all paperly bracked and in the THE RECEIVED IN CHEST STREET, WITCHEST STREET, WINDOWS STREET, WITCHEST STREET, WHICH STREET, WHICH

Spleen; but the Inconvenience or Danger attending this Case may be guarded against by directing a Comit in such a Manner as to make it prove purgative, and the Inflams mation that follows these Obstructions generally happens in the advances Stage of the disease. The have a strong proof of this In Intermettents. another Objection is that altho' they determine to the Surface, their Effects are transitory & are followed by ability. Full Comiting is not to be depenare to exhibit Emetics in Mauseating doses, Given in this way it remains longer in the Stomach of given in Substance and is by degrees carried over the pylorus ents the Intestines and there proves purgative. We are in the next place to consides when and in what Manner they are to be employed in particular Casas. Emeties by their action on the Stomach howerfully determine to the Surface and thereby remove Spasm They should be given in the Beginning and before the Spaom has gained Strength and in base of Telapse they should be exhibited at any time of the paioxysm, but this is to be considered as proper in Intermittents. There is difficulty in knowing when to give them in Intermettents but in Continual Levers it is more difficult as the time is not so easily determined, but they should be given before The accepion if it can be known. The accepcion is generally

twice in twenty four hours, one about noon which we seldom discover and the other in the Evening, the exact period of while varies as from 6 to 12 Oflocks. as the Time of the Evening & accelation differs and is difficult to be ascertaines, I think it is best to exhibit an Emetis in the afternoon as it will have a tendency to moderate the Evening Exacerbation. Nauseating doses are universally employed in Eruptive and Continued to vers, but their Effects are most evident at the Beginning of a disease. Some give nauseating doses through the whole Course of the disease but I think it much better to give one or more doses at the acception of the paroxysm, for Emetics By repeatedly determining to the Surface produce Sweat, but if they do not produce an entire Solution of the Spasm, they increase and confirm it and thereby protract the desearch of the Kinds of Emetics: this is not very material as their Effects are nearly the same. Squills have been used in asthmatich plaints, but posses no particular Vortues above other Emetic Su slances, and are unfit for nauseating or determining to the Surface and are therefore neglected; very few physlicans make use of Squells now in Fevers. Specacuanha is not general employed but may be in preference to Squelle; it does not answer well except to evacuate the Homash. It produces no permanent Effects. If it happens to be retained; its Stimus is not propagated to the System so as to produce equal Effect with the more powerful preparations of anternony. On the Subject Twould particularly refer y swo to In John forings

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Before I dismiss the Subject of Specacuanhas, let me here observe to you that 40 grains over not now necessary for a : Domit as was formerly thought; but where the Intention is to avacuate the Contents of the Stornach and Intertines Specas: is proper and 10 grains will be Sufficient for a dose & will be the dafest Emetis as it does not inverse the Inflammatory State of the bluids. Hermes Mineral has been much employed by the French physicians, but is uncertain in its Operations. The next Medicine is fames s powders, no person doubts but it is an antimonial preparation. It pof. seper noparticular advantage or Virtues. As depending on the acid in the Stomach it is uncertain in its Operation; for my own part I prefer those combined with acids which renders them active and their Operation certain. The preparations of this kind are the antimornial Wine & Emetic Sartay; there are the principal. The latter is the most un. -acceptionable, it is easily subdivided into small doses. I ma maged so as to increase the dose at pleasure. If I want it to act as a Mornit I give 1/4 of a grain desolved in half andz. or a Vable spoonful of Warm Water | Every 10 or minutes till that Effect is produced. If I want it to nauseate, I then give the above quantity every hour or so untill it hashad The derines Effect. If a reaching is produced til arm Edaler may be given to promote the Comiting, but this is best to be avoided if possible; and the Sichness should be borne with if it can be done. It is generally observed that Jamess howder from duces a Sweat, this I believe it will do , but I prefer the Tartar Emetic Emetics make a very conspicuous Trigure in

To. practice of physic being universally used, but there are many Johnsicians who deny their good Effects, but yet these Negatives are not to be taken. They suppose that they are generally employ ed in Compliance with Custom, but this I can't allow for the sometimes entirely put an Ends to the diseases at othertimes mis tigate and cender it regular. I have heard of a physician that gives in an Intermittent nothing but Mauseating doses this the Whole par oxysm. I do not deny but Emetics aree of Service butit should be at the Acception only, as a Tepetition is not always proper particularly in continued Fevers. I have the given you the Teasons for and against the Use of cinetics, and drawn Constusion from leason and Experience. The now come to consider the laternal temedies employed to remove Thasm, first of Blisters; which are almost universally used in the. vers. We shall endeavour to explain their Operation by their Effects on the moving July. When the plaister is applied to the Skin on any part of the Body, by its Stimulus an Inflam mation is froduced and an Effusion of Serum under the Cuto which when it rieses gives the appearance of a Colester In some the pain is very great the Stimulus being communition to the whole System: This is not the generally the Case, no then are the stimulant Effects of Disters so great as has be generally supposed. But even where the Stimulus is grew and attended with when the Oblister is opened and the Serum evacuated it is then removed. They have been employed a Stimulants in Newous Devers Physicians generally thin that in Inflammatory Tevers they soften the pulse, lepen the

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subjects the patient to great pain and brotations in the Sube ocquent dressings. Before we leave this Subject it is necessary to mention what particular parts they should be applied to 1. In Sopical Inflarmmation they should be applied as near the part as possible. 2nd The inside of the arms and the inside of the Shighs are proper places. Some apply them to the Back, but If we consider that the patient is very aft to lie on his Back we shall find that it must give some pain and be difficult to confine; also in drefsing the patient is much exposed to take Cold Upon the Supposition of derivation and Cevulsion, they have been applied to the ancles in Cases of a determination to the Brain, but in this base they should be applied to the Stairy Scalp; and as the Head for this hurpon should be shaves, in shaving some pumples are generally cut of it will therefore be proper here to interpose a piece of Lawn or Cambric between the plainter and Head to prevent ab. sorption to las I have before mentiones ! Burther, in Case of Coldness of the Extremeter, Rister do not rise; and when their Effects are intended to be communicated to the whole System it is immaterial to what hart they are deplied another method of removing Shasm is by the Use of the Toum Bath. Dr Gilchreit recommends the immersing the whole Body in Warm Water; but this is difficult and insonvenient as we seldom can get clepels sufficiently large for that purpose. I think formenting the lower Extre mitter, as high as the Ances however, is the most convenient, and is to be preferred; and this should be done with letter

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disturbance to the patient as possible. The are to remove the Bed bloths from the best when the Water is ready, and lastly we must take base that it is continued for one or two days as the Batient is able to bear it. I have known good Effects from its the even in two hours. It is to be continued an How at least seldom left. It is best in the advanced Stage of the disease after the Symptoms of Inflammation are estated . In Theumation we can relieve the pains by warm homentations but if there are not preceded by Bleeding In Winterny ham long ago observed that they would be attended with had Consequences. Warm Formentations thus applied are particularly useful in Sever avising from debility and Spasm on the Extremities, and in partial Inflammations, as that of the Brain by inviting more Blood to the Extremities we certainly then telieve the Brain by taking off the Gulneps and Tension of the Depels of the Head. This finishes our Consideration of the first general Inducation, which was to take off the Excep of Flimulant powers. We next proceeds to consider the the excels of Sedative power, by supporting and restoring the aution of String tense. The Methods employed for this pulpose arterial Systems. The Methods employed for this pulpose are divided into 4 general Heads; 1st the Operation of Cold. 2" by the Operation of Tonics. 3" by the Opera. tion of Stirbulants. 4th by the Operation of antispasmo. dies. If there we shall treat seperately and first of the Operation of Gold, This proves a Stimulus to the animal Body and is also more or lep astringent hence

74 is Jonie; and however partially it may be applied, is com-Long diathesis. although in some bases bold may produce de eases, yet in other Cases under opposite Commistances, it may prove a useful Cemedy. Gold may be applied either externally or internally: and first of the Effects of bold drinks. It has been observed that Gold any how applied may be communicated to the whole System therefore every purpose will be answered by bold taken into the Stomach; hence it becomes a Temedy in the Cure of Thevers. Tokether Cold or Warm drinks are injure -ous on serviceable in nevers, has been a subject of dispute among physicians. I imagine however that warm drinks are best as Diluents, without legard to the Temperature The Use of bold drinks is indicated upon the prince ples Ilaid down for the application of bold, but as it always fore when this is present they should be avoided. bold Ditto also Occasions anginas, pleurisies and pripreumon There are Instances of a draught of bold Water having produce a peripreumony altho this is not always, yet the Gendency there, and from this we draw a Conclusion, that bold any how applied increases the Inflammatory deathesis. The an cients favoured the Use of bold drinks in hevers but rejected it in those that were inflammatory. On this Subject should consult belows who says that bold drinks always increases the Inflammatory Deatheris vide lib. Cap. 3. / Col Drink if not taken in too large quantities at a time is

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proper to restore Jone to the System. If the nature of the disease there of is doubtful, some Caution is necessary. If it appears to be of a putrid kind accompanies with in. flammatory Symptoms, it is injurious. In determining this however the season of the year ought to be considered. Our Cautions are often carried to too great lengths but we are to conclude that bold winks are herefray in all Levers that are putrid, Nervous or autumnal Intermittents or Committents particularly in warm Climates and in the decline of all Fevers when the Inflammatory Mathesis is entirely removed; here it is of Service by Supporting the Tone of the System and thereby helping to carry off the Tevep. This in my Opinion is the place in which you can give bold drinks, but for further particulars on this Subject I must refer you to D. Fisher, who has treated this very fully: By Spanish Physicians Gold Water is given during the parox your in small droughts with Safety and advantage; but Ice Water is to be avoided except where the patient has been accustomed to the use of it. The practice in Europe & in all the Southern Countries is when the Fever comes on and a Sweat begins to break out, they give bold drinks w promoter the Sweat. I would advise you to consult Dolly. horns on this Dubyest. The doubts about the attility of giving Cold or Warm drinks. for Chap. 3. pag 174 By some of the ancients drinks of any kind was denied the patient untill the Thirst became intense, then plenty of Gold Drink was given to excite a Sweat and prouse a Solution of the

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expose the patient labouring under the Small pox to To much bold air, Water tep. The Second means of obvigting the Effects of Sedative powers is by Jonies; by which is meant such Medicines as increase the Jone and Contras tility of the moving Fibre. There are either Gofsil or Wege. -table, the former are but little used; of the latter the peruwan Barks is the principals: This Itreated of fully in my Sectures on the Materia Medica, and here we shall only mention its Use in particular Cases as a Tonics. It does not operate upon our flui do but by giving Tone to the Stomach and the moving dibre and hence to the whole System. That it operates as a Tonic in Intermittents is very evident. The do not allow that its Effects are produced by the Operation on the Fluids, because they are too sudden and the quantity too small to produce such good Effects which we often times discover almost immediately. We likewine find that where the Some of the Stomach is increased, the Bark is injurious, I in all inflammatory Fevers. Nature in checking a Gangrene always brings on a Tone in the neighbouring parts in such a manner as to enable it to throw off the slough; here the Back is of great service; it acts as a Barrier and gives Tone to the sound flesh, preventing any farther Injury from being done to the System and enabling it to throw or slough off the morbid from the Sound parts. The Bank here cannot be said to Operate immediately on the Plinds, the quantity would be too small to produce any good Effects by Ope taking

Operating immediately upon the putrid Matter; but here is 78. acts on the Stomach and from thence is communicated to the whole Lystem and by giving Tone to the surrounding parts for duces that Inflammation necessary to the Separation of the morbid from the Sound parts. This is further illustrated by its Effects in Intermittents: The Spasm What then takes place depends upon debility, the Bark by giving tone to the System prevents a recurrence of that Shasm. That it acts as a Tonic is proved by its being useful in Intermittents and hersful who too much Jone is abready present, and from its succep in My sterie, Nervous and putrid diseases and all other bases of debility; there all prove the Vonice hower of the Barks. touth tespect to its Use in Intermittents; there you are to con sider to depend upon a Sparmodic Construction of the Surper arising from Debility; this therefore is to be overcome by the Tonic howers of the Barks and it requires little Study to de

termine the propriety of its Use. But in Continues but it is more doubtful. In leases of putual hevers arising from Contagion and accompanied with great debility, peterhiase the Back is the only Ternedy. With Tespect to the Manner of exhibiting it; it is not install in any Case except it is given in large quantities. To be more particular; it is of no Series

be given as near the acception of the paroxysm as possible and 31 doses of a drackmonay be given every hour. Let us out

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Intermission and it is not necessary to crowd it whon your patient the first day, for if you were to give an Ounce immediately after the Fit it would have no Effect; but By given in the last day of the intermission, will be equal to several Ounces given on the preceeding day. By this Management the Operation will exist and be most vigorous at the time of the accepion, and prevent the Tecurrence of the paroxyom. In a Tertian 36 may be given overy hour but it will be most effectual when given on the day of the Tit and repeated as often and as near the Time of accepion as possible. In base of a Telapse we must em. -play it with great deligence and repeat it at proper in. tervals. This proves that The Effects of the Bark are tran. sitory and therefore should be continued a del length of Time, even after the patient has missed the Fit. I generally order 4 or & doses to be taken on the day the Fit is expected. Given in Substance it is of more Ser. vice than any preparation pharmacy or Chemistry can afford us. The Taste should be as much covered as posi: ble. Some will take it best in the form of a Bolies or rolled up in a Water, but there, many who cannot take it in this latter way. Therefore they may make it into an Electuary. For those who cannot take it in this form, it may be truturated with Gum arabic and disolved in Water which suspends it and prevents the disagree.

disagreeable Taste and adhesion to the Mouth. If it cannot be taken in this Way, the Extract may be tried. A Very good Estract may be made with Brandy . The Bark may be good in a Sincture, but this is not so good in Fevers: the De. costion may be combined with the vincture. I have ordered to Back to be quitted in a Jacket and worn next the Skin with good Success in the louse of Intermittents, this Hint I took from the Sondon Medical Essays. If the Extract is rejection which is frequently the base, especially in Children, it may ealibited by Styster. The Bark sometimes prous purg tive, This is to be obviated by Opium - If I purpose to give 6 doses of the Back in six hours I then give 10 draps of Landamum in each of the three last doses. Crude Sal Un moniae may be joined with the Back in the Cure of hi termittents, where the Intermissions are imperfect; I have also used it in bases of anasarcous Swellings and where the are Wisceral Obstructions. Various other Terredies have also been combined with Bark. The Virginia Snakerosh is also one of those Temedies, but this is of no use unless to make it better on the Stomach the Bark is sufficiently Stimulant. Rhubarb is one of the best Substances to be combined with when the Intention is to keep the Bowels open. as the Ban is often of a bad quality, some Substitutes have been song after and tried as Galls and Gentian; They are simple an astringents betters and may be given to prevent purgin De: con cle ayo ive h aw the lso 30 ita nh. 40 Bark an zin 0/

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or the Medicines running off by Stool which they are 81. apt to do, Chamomile especially. There are several others mentioned as the Horse Chesnut Tree Barks, the Bark of the ash and poplar. The Common people in the Country tis said, make use of the dog Wood Bank with succession curing Intermittents; whether this is true on false it is well worth noticing and very probably it may add to our Ma. teriar Medicas. The 3rd Means of obviating the Effects of an Excep of Sedative power is by the Use of Stimulants; of these are Contrayerous the of little Effect, and Elinginia Snake Toot: - this latter is used more frequently than the former but not without other Ternedies mixed withit; tis however seldom used in Tevers. Sor of Oringle that it is always too heating as well as stimulant in the Cure of Levers. But the most safe and effectual Stimulant is Wine Itold you that delirium might arise either from a phologistic on founded on debility. When the Symptoms of debility are present and very evident Wine may be useful, but when a delirium has come on with wild Looks out of the Eyes, Tedness and turgercence of the Face Lep. wine here will be very injurious. In all howard, putrid and fail Geners, where no Inflammatory diatheris occurs in the beginning, Wine may be allowed I shall now make a few practical Observations with respect to the Use of Wine in particular Cases. When Fevers arise from Contagion

Contagion accompanied with great debility and without Symptoms of Inflammation, even in the early Stage we may use that safest of Sumulants Wino. But if any Topical's flammation is expected we must be cautious. We are 1st to en -quire into the Habits of the pratient toknow if he has been win to drinke large quantities; if he has we may be bold in pre. soubing Wine If we are not guarded by the patients former & bits if the appetite craves whenever the patient call for it greatly we give it, If on tryal the Symptoms do not in - crease with the Fulness of pulse on delirium, it may be concluded it was proper to exhibit it. With respect to the kind of Wines; & tet and thenish are the best, as not being so heating as the others. It should always be mixed with bold thater that it may be the more cooling, and as Thine is seldom proper when Gold water is to be denied: This particularly applies to autor nal Intermittents. In Thernal and Winter Intermittents accompanied with Catavib, and in newous hevers which in the Beginning show Signs of Inflammatory deathesis; h warm drinks are necessary at least in the early Stages of the disease. a fourth Means of obviating the Effect of an Excep of Sedative hower is by Antispasmodels and 1st of Opium. I have formerly endeavoured to prove to you, that it popelid both a Sedative and Stimulant Effect. It is one of the most universal Medicines in practice. I am only in to consider its Effects in the line of Frevers. It is generally thought to be improper on account of its Stimulant power

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in all Inflammatory Tevers and in the beginning of most hevers, especially if there is any Suspicion of an Inflamma, tony deathesis being present. On many Occasions Opium may be useful from its stimulus, for in Fevers that ariso from debility and in those where Wine is proper, Opium may always be used, but is more hazardous than Wine. Opium by its Sedative Quality may be useful in all ba= - ses of pain arising from spasmodic Construction, here is is the first and best Temedy as it takes off all I vitation from the Nervous System with Certainty and Safety, of the dose is considerable it lowers the pulse and renders it les fre: quent. Upon this principle of Opium taking off Frontation, I make no doubt but it may be useful in devers, and in that deliverens arising from debility, where the Frequency of the pulse is not increased. The find that an Operate may be given in the bold Fit of an Intermittent, or even an hour after, it acts by its Stime his existing persperation and overcoming the Spasm, here its Use is not difficult, and I think may easily by analogy be transferred to the live of Continued Gevers. In some Fevers, particularly arising from bontagion and where the bure de-Spends whon Sweating in the Beginning Opium may be emplayed as the most powerful Sudorifis. There can be no general Tules laid down for its Use without some Exceptions. Some pohy. Disians employ it in all Inflammatory diseases and they give Instances of its Sucep; and we know that in Theumations which

which is an Inflammatory disease that after Bleeding and Eva cuations, Opium by procuring a plentiful Sweat effects a perfect buro. In the Small pox, Opium has been given by Syden. ham and with advantage as he relates. With respect how. ever to my own practice in giving Chium, I never give it in Inflammatory leaves except when some fortation is present, as in the Tracker and Lungs, there Opium gives great Telief; and in the Small poss where the Irritation of the pustates may be very great, independent of the Inflammation, Opium is an ex. cellent Temedy. In Theumatisms it acts as a Sudorific and not as an anodyno. The next antispasmodie is Cam. : phire: This I mentioned in a former Lecture. This is much used in the Cure of Levers and but little understood. I have and repeated it every 2 or 3 hours used from 5 to 0 and 10 grains at a dose with very good Success in Newous Levers. It appears to relieve Delirium and Substitus Tendinum almost as quick as Opiums. Mush is also a powerful Temedy, and if genuine is a good antispas. modie. It should be given in large doses. Mush may be employed ed in all bases in which Opumis indicated. It acts in some me as we like Opium producing a sound Sleep and felents. ful perspiration. Musto and Camphor may be used more safely than Opium. The next antispasmodio is the Oleum. animale, it is the Emperoumatio Oil of animals and is highly recommended by some Johy sicians as an excellent an. tis pasmodice and has been recommended in all bases of Chilepsy

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Epilepsy . Castor is frequently employed in Severs but I think it is of very little Use. The last of this blass I shall mention is the Volatile alkali; this is a powerful antisparmodic, being quickly diffused this the tystem, no danger is to be apprehended from its Stimulus being too great in the Stomache, therefore it is one of the safest antihas modies and Stimulant. Its Effects are transitory from its extreeme Colability and from to being neutralized in the Stomain by the acid thew is it often meets with. It is employed in all bases of Languon and debility in the System. Sir John foringle has changed our Motion concerning it: we generally shought it was Settle but he discovered it to be an antissplei which is now fully established and proved to be particularly useful in putrice and Jail Fevers with great debility, here it acts similar to wine. I have known many bases where the fratienty fulse was hardly to be felt with Squeofe to and has been beyond expectation by the frequent Use of Sal. 6.6. Colat. The doss on account of its Transitory Effects should be often repeated but not continued longer than is immediately necessary. It should be given alternately with wine, which by its acidity corrects, The derimony of the Volatile Male. I cannot however but Think, that by its Stimulus it moreases the Heat of the Body by stimulating the Depels to a quicker action and I think be that means is aft to in due a desolution of the Massof Blood and should not be continued any great length of Timo. This finishes our Second Inducation and now we

86. shall go on to consider the 3" General Indication which was to obviate the Effects of an Excep of Septic powers. The Meanison played for this purpose are to be divided into 4 heads. It by avoiding the temote Causes of futrefaction, or that which fruits it in action; This is a ferment introduced into the Body but may also be produced by the increased action of Heat on our bluis or the Excep of Stimulant power therefore Hear may be cons. dered as a remote Cause. The 2. Head is by avoiding those Effluora which arise from Marshes, the Mature of which I formuly explained as well as that from putrid animal Substances on Human Bodierin fected with putrid diseases as in Jails and Hos. pitals when there is not a free Centilation. When a person is attended with a putrid he should be exposed to a free Corrulation of air, have his Linen frequently changed to revent any further de. gree taking place be. To prevent Contagion her one should avoid coming into Contact with the Sick, or even with their bloaths, as there is more danger from that than from being in the Toom only. Here the Bowels should be kept gently of to prevent an Bronease of putrefaction in the Stomach and Intestines. 300 To obviate the Septie Tendency the Exerction must be kept open by which the putrice Terment may finds papage out of the Body by Stool, Wine and perspiration But quater Telief is found by removing has mon they tremities, than by there discharges. The 4th Methor of Ohis ating the Effects of Septec howers is to be attempted by the Un of antischtic Medicines. Thave mentioned that the two chief Sources of Sever were march and Human Effluera. The

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Then Effluria prevail in Hospitals and fails orounded with It. patients labouring under putred diseases and ire most dan. genous when lodged in Clother; they are then called Formie tes_ Hence the great Mecepity of changing the Bed blother that have been in Contact with the Sicks. This is great on. portanco, and may be done with fately in any Fever, and without this Caution the progress of Cathefaction is hardly to be stopped; for this reason the Physician should never sit on the Bed of his patient when labouring under this dis case. The Excurrents of the Patient should be immediately removed in all bases of July action. The Obviate the Septic Tendency by evacuating the Contents of the Stom ach and Bow. els, which by stagnation and the Heat of the Body become putrescent, as for instance the Bile and the other Juices of the stom ash, hence keeping the Dowels open is very necessary and weful. The next means of obviating the Sehtic tendency of the Heids is by Sweating. Notwiths landing the putrid ferment may be present in the System, yes no great deque of patricinny takes place, while the Exerctions are regularly performed. I have also said that some diseases are only to be cured by plentiful Inventing, this acts not by evacuating the Morbifies Matter or publicly nerment present in the maps of Blood but by relaxing Spasm, obviating dever and momoting the different Exorations. The 3. Means of obviating the Septic Tendency is by Antischtia Medicines and first of both No Ferment can operate without Heat, therefore looled air tends to check the operation, the next are tonic medicines and

lastly by hentiful delection; this operates upon the Maps of Ble and keeps open the Exerctories. another Means is by legetable diet, this should be such as is the least putrescent. We also use acids and acefeent degetables; by this we cornect and obis ate the putria Fendency in the prime theo, and when conveyed to the Blood prove antisepties. 3th Means are Mutrals Salts. There are undoubtedly Antereptic and may be given in as large quantities as the Storn ach will bear. If not so powerful antisepties they may be unful as Diaphoreties by opening the Exerctories Jonies are also anticeptie, particularly the Bank which is highly useful to obviate the Septe Tendency of the Fluids. This finishes the general Dostrine and Method of Cure in Fivers. We shall now speak of Inflammatory To wers; by where I mean those hevers which are attended to Topical affections and an injury of the Tunctions of some Internal part. But before we proceed further let us mention the proximate Cause of Inflammation in general the is owing to an increased Impeter of the Repely of the part affected. The Cours of this conext to be enquired into . Obstant tions is one; this acts by obstructing the passage of the wo Quantity of Blood, and by distending the Velsels of the part proves to Stimulus And the Meight owing Defsels. This we judge to be the base from the following Ho viewmotor ces. Set when an Obstruction takes place and while ity we no Stimulus no Inflammation sti produced. 200 Use know that direct Stimuli are a frequent bause of Infla

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Inflammation Some have supposed that Cantharides fordan sed Inflammation by their Spicula entering the part and obstructing the Wefoels but we know that they produce it only by their Stimulus upon the Newous Febrillas. Inflammation Therefore consults in the increased action of the Defeels of the part excited by Stimule. Where no external Stimuliare applied, it arises from an unusual quantity of Blood determined to a particular part, producing Ibstruction or Con. gestion, which proves a Stirmelus, particularly if there be an increased Teristance to the Passage of the Blood by a Constris tion on the Depels, at the same time. Thus bold applied to particular parts, produces theus natism, by diminishing the Capacity of the Vefsels, while the Impetus remains the Jame: hence parts most exposed to bold are most subject to Inflammations as the internal Membrane of the Mose, the Fauces and Bronchie producing Catarrh, angina and Pulmonie Inflammations. Thus have I endeavoured to establish the Doctrine of Obstructi on as a Stimulus producing Inflammation on Inflamma; tory distension; but this is not sufficient to explain all the Thenomena attending it therefore must also conclude that Spain must at the same Time effect the Depels on the Surface which produces the bold stage, occas coning also an increased Teristance; for whether the Obstruction be owing to the dimenish. ed Size of the Depels by sparmodic Construction, or to an increases quantity of Fluids the Effect is the same. From what I have now mentioned I think I have plainly discovered to you the proximate Cause of Inflammatory Tevers

and altho I have admitted Obstruction as a part of the form gainst relapsing into the Old doctrine of the Cause of Inflam mation, voz. The Blood clogging up the extreem depels: this was the Opinion of Boerhade und look its rise from the Infl matory brush on the Blood when drawn from a Vein. Gold as plies to the Body produces Tension and is communicated to the whole System and is a predisposing Cause of Inflammation. Inflammatory the wir This may be occasioned not only by Cold applied to the Body, but by the too frequent use of Stee and other tonic Ededicines. This inflammatory diathesis the fore depends upon the increased Jone and Contractility of the arterial System: This we also conclude from the Curo is soonest effected by Bloodletting and other Means of during claration of the Tystem. Of the Terminations Inflammation: It has been long observed that Inflammation terminates either by Resolution, Suppuration or gas grenes & Schirus. That by Wesolution is obvious if Obstruction yields, the Sparm is overcome and the Thuiss twen to their usual Channels; but this is not very fuguent, The Inore ased Impetus more commonly produces an Effusion into the bellular Membrane of the part with Tumour. Tumor is more probably owing to the unusual quantity matter effused than to distension of the Wepels. Altho this y fusion does take place if the Spasm is removed and a re absorption comeson we still say the Inflammation hast minated by Tesolution: but in it the Matter diffors

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the common Capour which is exhaled this other parts of the Body If it be of too thicks a Consistence to be absorbed it is then converted not be accounted for untill lately when by InBanbuss Experiments it appears that the Serum of the Blood in the most healthy state contains a Matter which by Stagnation is conver. ted onto pues: this therefore proves Supplication to be owing to Serum effused. The Mind Termination of Inflamma= tion is by Gangrene, when the putrefaction is in so high a degree as to destroy the Teature of the part it is then called Sphacelus but of this treated in our Sections on acids when upon the Materia Medica, and Merefore I shall mention the fourth Termenation which is by Schoons: This happens in Glandular parts. The 3th Termination is when the dear of the Inflammation happens in the Barenchymatous Sub. stance of parts en dowed with a love bellular texture where an Effusion is produced and carried into the Cellular Lexture of the part; this happens in peripreumony and produces no change in the Aluids, but by Obstructing Corculation theo' the Lungs fatal Suffocations are the Consequences. The first general Indication of bure is to be attempted by Tesolus tion and is said to be imperfect if it terminates in another Impetus and removing the spasm whom the Extrem reefsels: The first is to be done by the antityhlogistic legimen, & Blee ding as the most howerful temedy. But here I shall consis der the quantity necessary to be taken as it requires some limitation

92. limitation, for by large Bleedings a Fainting is brought on, and by repeating it sometimes a futal deliquing animi. Than heard of a Gentleman who was bled in an Inflammatory Complain that by having a large quantity of Alood drawn died of a deli quium animi before the Sigature could be removed. When a deliquium anini does not happen large Bleeding may pro -duce other effects very persisions. How the Fluids are retained the Human Body has been a matter of Wonder and dispute when there are so many thousands of Outlets for it them to pay this and escape : It is owing in hast to the Size of the particle of the Blood being too great for the Diameters of the exhaling Teepels and from the leagulable Symph and ted flobules in volving the thinner parts there of and are therefore the Bausey its being retained. When these therefore are caviced off in too great quantity by Bleeding . The remaining cliebs and thou That may be taken in afterwards will be of greater stretted hence Offusions into the different Cavities will take place pro during anasareous Swellings from the Use of dolo Food the Micher parts of the Blood may be regenerated, but as the of hetite is begined Thuis Food only will be taken, and thus the Thicker parts of the Blood are carries off faster Than to can be regenerated and by the digesting and appimilating por en being weakened the proper quantity of Moverhment will denied, therefore the Senuity of the Blood will be continued such as to pap off by the Exhalants in the same manner as before described. These Consequences have been generally emput to Inflammation, but in Teality is often owing to too frequent か han klai Keli a iro wi ute pay tiste ing in seg thon with ho ap por elle rui 2 al rule ent iba

The subsection of the subsecti THE WALL THE CONTRACTOR OF THE PARTY OF THE Grandy Edministration Strandby of Bear & the The works of the The state of the same of the state of the state of the same of the

Bleeding; hence a Caution is necessary in Cases of pleurisy and peripreumony where we are most apt to bleed to Exceps. The Matter expectorated in peripreumony arises from the mucous Glands of the Bronchice and an Effusion of Seruminto the Bron. chial Olepels Therefore by large Bleedings the Tenuity of the Blood is increased and this Effusion promoted to so great a de-: gree as to produce Sufforation, the patient not being able to expectorate so great a Quantity. This Caution is particularly necessary to those dishould to batarch and in the decline of Life. The same Caution is necessary in bases of debility. In Rheumatim we are to quard against the consequent debi. lity produced by excepile Bleeding; this tho it sometimes ares the acute is aft to occasion a Teturn and render it Chronic and perhaps continual even for Life. General Tules therefore for Bleeding cannot be given scarcely; but the Age Sex, Temperament and Habit of Blodletting to which the patient has been accustomed are to be considered and our Conclusions drawn accordingly. We may however add a few Temarks on the Quantity of Glood to be taken; One pound is a medium Quantity for an adult; two hounds in twenty four hours is tending to Exceps. Three hounds in two days is a large quantity and cannot be carried further with. out dis advantage; although in particular Casis as in peripneumony where there is danger of Sufforation, and an alternas tive must be chosen we would undoubtedly priges plentiful Bleeding. Jaking four or five hounds is haz ardous undep.

94. in Cases where the patient has been accustomed to frequent Ble ding. The Time in which Bleeding is employed is of Important as One pound taken on the first day will have more Effect has two pounds the second day. Bleeding has been confined to the thus first days by some, but this is not a general Tule. If the Symp. toms return at any reried of the disease Bleeding is to be recurred to and when the Violence of inflammation is so great as to threaten Mortification, Bleeding is to be employed. These Teaule tions apply to Inflammation only, but in hevers they must be taken with greater Limitations. I have only to remarks that when general Bleeding can no longer accomployed with Safety may have recourse to Topical Bleeding by Leeches and buffer with Scarification. purging is another method of abating Inflam mation; this is not so powerful as Bleeding and in some las is incovenient as in the Theurnation where the difficulty an pain that attends getting the patient up renders it improper and the frequent tising to stool proves a greater Stimulus of tentimes than the purging does good. Bluding in generalmy supersede the necessity of purging, but purging cannot supersu The newsity of Bleeding . In leases of Inflammation of the by and threndis purging is very useful, not only abating onflam enation by Evacuation, but by Telulsion taking off the determine nation from the Hear . another Method of diminishing the petus of the Polood is by the Use of tefrigerants as Weids and neutral Salts the principal of which is Mitre . In extu nal Inflammations refrigerants and repellents have been

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used have now for a long time been condemned. as Sedatives they are useful: The Saccharum Saturnie and other preparateons of Lead have become familias and favourite Medicines in this Intentions. Some other Saline Substances mixed with Spirit of Wine, are also useful; these act as Sedatives on the moving Fibres. Mr. Gouland has introduced a preparation of Lead into practice, it may be useful in some Cases, but the Theory on which he endeavours to establish its use is of the most tripling and frivolous kind; this, as well as the Univer sality of its Use give bouse to suspent both the Truth of his Observations and his Candoux. I have seen his Medicine www of great Service in Strains and External Inflammations, but if it does not succeed immediately it is to be discontinueto. another Terredy for Contusion and Bruises, particularly in the bace is the Shirities Mendereri; it is of Service by re-moving the Blackness and is an Improvement whom the the: negao which is so often employed whom those Occasions; these are used to diminish the Impeters in the Depels of the part. The first Indication of loure is to remove the spaom of the extreeme Depels; This is first attempted by Warm Bathing and Tomentations. In all external Inflammations except in thou of the Engsepelatous kind warm Bathing has been used; the Effect of Clear Water is as great as any Combination of it whatsvever, it acts by relaxing the Nervous papille and this telaration is thereby communicated to the System; these are their known Effects, but how far they are of use in resolving Inflammation is not determined they undoubted

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hold good here. Discuttents and Tepellents if they mean any thing, include all those Medicines employed externally as anti: spasmodies which are rejected as generally improper, and in the next place cannot reach the Seat of the disease. These Medicines are also Stimulant, and cannot be of Service only as far as they prove antispasmodis. Camphon has been used in this Intention and is a Sedative and antispasmodis. It is often employed in External Inflammations and applies to the part affected. Strong applications of it, have been found to relieve the Theumatism and Sout. The 4th and last head of removing Spasmis by determining to the Surface, and thus removing the Spasm it may remove all the Symptoms. There are Temedies employed to obtain a resolution of Inflammation. In external Suppuration the usual Methods of treatment in Ulcers become necespary and I know of but one internal Supportation that requires a parte : cular Treatment which is that of the Lungs producing Phisis pulmonalis. When an internal Inflammation terminates in bangrene we have but little Hopes. We come now to treat of other Inflammations and these are of three kinds org. 1.ª Cutaneous. 2 nº Visceral 3º Orticularo. I shall treat of one particular Inflammation of each kind, by which you will know how to apply the Doctrine and bare to any others Viz of the first Opthalmia, of the second perepreumony and of the thord Rheumatismy. We shall first speak of Opthalmed; this consists in and is defined a Tedness and paine of the Eye with an Aversion to light: this is very frequently

90. frequently owing to its great Sensibility and being exposed to various external Injuries. 2" From its great Sensibility and Convection with the System it is affected in a particular man by whatever induces an Inflammatory deathesis or otherway, affects the System in general. 5. From the Tunica adnata being furnished with a greater Number of Blood Depels and being lax Substance is liable to a greater afflux of Blood and h fore is frequently attacked thereby. It is also exposed to the common baceses of Inflammation, as Gold which produces a Constriction on the Defects of the part and is the proximate Cause of Inflammation. This Membrane not being connected any adepose or bellular Texture seldom admits of any Effection or Termination by Suppurations. We next are to treat of the division of Opthalmis, vy. into Idiopathic and Sym tomatile you no doubt understands what is means by I apathie, however it is defined to be a disease arising ender hendant of any other Afections of the System. The Ideoha This is divided into three kinds. I when it affects the boat and Membranes of the Eye. 2nd When the Eyelist at the Edges or Margin are affected. I 30 Then the Caruncula las males are affected. This I trust will give you a proper deal of the different kinds, but these are often combines. an on - flammation of the adnata may be communicated to the but and that of the Margin to the adnata but one of themis primary. 1the Taraxis this is owing to external leave produing an Inflammation of the Junica adnata, and igh Smoke dust to; they are commonly transitory in their Effect but sometimes affect the Eye so as to require particular

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attention. Many civious Temedies for the bure of this fraches of Ophalmia may be found in Morgagni. He has the base of a Miller who as he was dreping his Mill fromes had a Sparks of Fire lodged in his Eye, which afterwards was dis dovered to be a particle of theel upon which he applied a Magnet which frought it so far out as to be easily removed. The next is the Ophalma humeda, this is most commonly seated in the advata byt is frequently communicates to the Tarsus and person teum living the socket of the Eysball with an invessed flow of Tears. It produces frequently an Inflamoration of the whole Eye and Head attended with pain, Heat and Fever. The Claricties of this are 1the Opthalmia Erisypelatosa in which brusts are formed over the Eyelis externally 200 is the Opthalmia pustulosa in which pustules are formed upon the Tunica advata. The 300 is the Ophalme a phlyctono. des; here attho an Effusion does not take place into the neigh. bowing parts, yet the Matter thrown out, forms Elisters which are very troublesome and painful . The next or Second Species are the Inflammations of the Tarsus or Edge of the Eyelist, there are supplied with Mei Bohmian Glands of the sebace our Kind which are the Seats of various are money they pour out an unctions blue which glues the parts to gether and sometimes is so acrid as to corrobe them. The third he cies is that which affects the Caruncula Cashrymales: Extransous Bodies may be washed by the Tears from the Eyes and thereby occasion Inflammation, or it may be owing to an Obstruction of or Disease of the puncta Sarhrymalia 100, but this falls under the Notice of Jurgery. In all Cases of Symp. tomatic Ophalmia the bare depends upon removing the prim ty disease. Whight on Newous diseases has observed and photo mia of the Schrophulous kind, another kind is the Opthalmia Syphilities, this also is to be cured by the Temedies proper for the pour many disease. Of the live first of the Opthalmia Membanos this comprehends all the Inflammations of the boats and Mem. branes of the Eye, this is the most frequent and important of opthalmias on account of the danger, hair and other bonse. -quences that too often attend it. The first terredies are of an. tiphlogistic tegemen but in particular the avoiding of Light as the meanacity of bearing Light is a Symptom of the Diseas as it produces Motion of the Eye and affects the Inflammation wherever seated. avoiding Sight would also be of singular der vice in many other Inflammations. Shutting up the Eye is not sufficient, for this tends to increase the Heat and perspirate con of the part and the Influence of Thuiss. The only Method is to keep the Toom as dark as possible in this loave, and it is the most emportant part of the antiphlogistic breatment. The Effect of Bleeding is to relax the Tension of the arterial Sy tem, if this Tension is not present general Bleeding will be of little Uso. If general Bleeding is employed it should be as near the part affected as possible; and Topical Bleedy is best adapted to relieve Topical Inflammation of the Eyes, but if the Tennon is communicated to the System or the Inflan mation be seated in the deep seated Membranes general Bla ding is most proper. In Topical Glecting arteriotomy has

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been practices but is attended with difficulty and its place may be well supplied by the Use of Leeches and Cupping with Scanfication. These may be applied very near the part but not upon the Eyelid as it is apt to produce an Effusion and Echymosis, to avoid this a Glass may be applied over the Eye and the Secher allured as nigh it as possible. ano: then Method is by Scarifying the adnata thely; this is very Topical Bleedings. another Temedy for the Cours of Ophal. me is purging; and if we were to adopt the approxim of Heppoorates that Dearrhea will cure Ophalmia we should be often led astray". It occasions a Tevulsion from the Head. In severs we are to avoid all drastic purges, but in this case unless fever accompanies in the Tevulsion may be increased by a Stimulating purge with advantage. Some employ Mercury joined with purgatives but as the Mercury is carried off with the purge, Icannot concere it any way preparable to other purges. The 3rd is Blistering: Blisters are particularly useful when the Inflammation is communi cated to the Membranes surrounding the Cranium with pain of the whole Head. They are most effectual when at = plied to the hairy Scalp, in this case cutting the Hair and shaving the Icalp is first necessary and this sometimes effects a bure with out the Use of Blisters. altho' I cannot account for their Operation yet the first is the Best Operas tion and to be preferred to perfectual Oblisters as they are too irrictating. I have here to observe to you that the first Blis ter is to braled before you apply another fresh one.

102. Of Isues the worst kind are the perpetual Issues, thatas made with Blisters. The pea I jues are thobest. Of Exter nal Applications, Emollients have been employed, when the parts have been much tumefice but are often hursful by their Heat and Stimules inviting an Influx of Blood to the Cefel of the part. When the Exclide are affected with Excedations of a glutinous Fluid by which they are glued to gether in the morn Bathing with warm Milks and to ster is useful, but cooler to medies are better, as saline Substances; but how they act I do not know except when telaxation is the Cause . Hence Gold Bathing is the best temedy for those who are subject to Inflammation of The Eye; there are also relieved by bold and Gold Water, but hur by Warm applications and shutting up the legs. The Operation of Brandy and Spirits are more ambiguous but deluteate relater are often useful acting as Sedatives. Of Saline astin - gents the Sackarum Saturni is the most effectual in Solution and should be used cold and may be exhibited in Doubtue Other Temedies are preparations of Copper; there have been favourite Medicines among most Quelists; They are of use when there is some degree of Ulceration. The 2 to ano Ther Case is when the seat of the Inflammation is in the Ta ous palpabrarum, this is a primary disease, affecting the Sebaceous Glands and produces an Exudation of acred Matter; here Scrophulous and Syphilitie avimony is al. so seated. The bure is to be attempted by such remedies a tend to correct and discharge the avisnony; for this purpose Mercury is the most effectual, To obviate the parts being glue together

ter + and on particular occasions with advantage + by the relaxation they produce and by to the in la tion 010 in. etion en ne ano Tai 0

+ it is in this latter can only that it appears like an affection of the Lungs -

to gether the Mercurial Continent should be used and often repeated. The 300 Species is the Inflammation of the Caruncula lachrymales; this consists in an Inversion of the Hairs of the Eyelids which are gradually to be pulled out The Second general division are the Visceral Inflamma. tions. Of these I have selected Dewrisy and peripreumo : My as the most common and important in their Conse. quences. Physicians are not agreed whether theneverne and. the same disease, I shall therefore en deavour in some measure to determine it, by pointing out the peculiarities of have its seat in three different places; 1st in the Mucous membrane of the Bronchia + 2nd in the havencheme. tous or Cellular Texture of the Lungs; 300 in the pleura either as lining the internal Cavity of the Thorax or immediately investing the Lungs with regard to the diffewent Seals of the Inframmation it may be observed that the first gives Origin to Catavel and is not to be considered here. The 2nd is scaled in the parenetymatous and is called peripreumony; Whough this seldom occurs with out being combined with the other two. The 3. Constitutes the disease called the pleurisy the Seat of which may be various, as in any part of the extent of that membrane. The exact Seat of it is difficult to determine, neither does it make any material difference either in the prognos ties or Method of Cure. Deripneumony may be distinguish. ed from pleurisy by the following Symptoms; our the former is attended with hever, an Ottlese pain of the Breash, anxiety

104. anacity and bough with a discharge of Matter from the Be - ginning and for the most part tinged with Blood. The pleu. risy is known by a Sever, acute pain in one Side, Coughwin a difficulty of lying on the affected Side and an Increase of pain on Inspiration. The Characteristic Symptoms of peripose mony are the Other Pain with difficulty of Expiration, low soft pulse, with a Turgescence of the Counterrance, I the p. tient lies on his Back with most Ease. In plaurisy the boug is more painful and at first dry, the pulse always hard; this having its Seat in the Membrane called pleura, the parts are more tenso and the pain more acute, but with little Effusion. The peripreumony attho' it may affect the Mem. branes at first, is principally seated in the Cellular Texture here the parts yield, hence the pain is obtuse and the Ef : fusion prevents the pain and occasions the anxiety by obstru ting the Circulation thro' the Lungs; hence the patient & lying on his Back, obtains a fuller Inspiration. The soft Julse is owing to the same Want of Tension the Turgesus and livid & Slow of the Counterance, show the great des gree of Effusion and that it obstructs the return of the Tenous Blood from the Head. Whatever the appear. zame of the Sputa may be the Consequences are to become sidered in proportion as the Expectoration is found to give Telief to the patients without Togard to the Colour or Con: sisteme. The Resolution of the Inflammation is as: companies with a particular Change in the state of the Urine, but this is owing to the Solution of the Spall Be leu. with hne low oug W; art the m uro f= Stru esun le. the a= e con rive n: hau

The same and it was a second of the same of the same of the same + while the difficulty of Breathing and bough remain The second was the second of t

common Termination of this disease is by Sweating; for more on this Subject see Dr Cleghorn. Inflammations of these Dis. cera have likewise the Termination by Gangrene and Sup. -puration. The ancients imagined that after the Is day the disease if not terminated by Esolution was going on to Sup. . puration, and therefore ordered Seeding to be performed on. ly on the the three first days, but we know that it termi nates by Tesolution as late as the 9th day; but if the disease is at tended with great Effusion it may terminate by Suppuration sooner. But whatever is the appearance of the Sputa or the quantity of Effusion and if the resolution does not take place by the 9th day we are to suspect the Terminations will be by Suppuration. We may judge of the approach of Suppu. ration, by the pain being abated and the pulse becoming soften, by a Chilliness and Exacerbation every Evening. That pus is formed we conclude from the pain being abated and yet the bough continuing with some degree of Dyspinea and Hectic Heat; and by the occurrence of two Exacerbati = ons every 24 hours the Wiene lets to fall a furfur accours bediment, the Tonque beomes moish, the Eyes appear hale, and the red cepels of the abreata disappear. The other Termination of Inflammation is by Gang rene. The judge of the approach of gangrene by the Symptoms having been very violent and suddenly ceasing, by the Symptoms of putridity that appear, Debility with delirium of theplas cid kind also a small and quick pulse, there are the Symptoms that denote the presence of a Gangrene?

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106. The fatal Termination of perpreumony is commonly an Effusion of Blood into the Cellular Sexture of the Lungs which produces a Suffocation, we judge of the approach of this by the great degree of anxiety and other Symptoms of great Effusion which may become more or b putrio according to the State of the Blood and other bircum stances. That this disease terminates in this manner is provo by frequent dissections and is beyond a doubt our principal Diew in the Cure is to obviate this Effusion, for a ter this has taken place we judge the disease to be insurble. another Termination of this disease is by an Effering from the Lungs into the bavity of the Thorax, hence and -drothorax often follows. For the method of obvicting and preventing this sa Dr Eller's Treatise on the Subject but believe it to be Effects of Exception Bleeding. Of the Metho of bure; The principal Ternedy is Bledry; this is herfor med by all physicians with Heedom in the pleurisy ba in the peripreumony where the Symptoms are not so vi olent, the' more dangerous, Bluding is often too much neglecter; this requires immediate Bleeding and in lan ger Quantities than in the pleuring hext Jam to determine the time and quantity to be taken. The mor early that Blesding is performed the Better. The 6hr of either arm is of no leons equence, it is best if en -played within the three first days, afterwards it

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- pectoration has taken place I think the following bireum Stances may decide. If the Expectoration is copious, and all the Symptoms evidently thereby Bleeding may be omitted; but notwith standing the Expectoration is copious, and whatever may be the appearance of the Matter if it does not give re. lief Bleeding is necessary; and especially if the pulse remain full it ought not to be neglected. In this lawe we are not to depend entirely upon Expectoration, neither have Sever seen & ding produce that Effect unless when too long continues as to as casion so great a degree of debility, as to render the patient us able to support the Expectoration. The Expectoration is gener rally suppreped by the same Cause that cheeks other Secretions viz Spasm, therefore Bleeding as operating by remo ving the Tension, producing Claration and thereby overco. ming Shasm is a proper ternedy, and in this Sense may be said to promote Expectoration. Expectoration in the be -ginning may be considered as a marbid by mptom owing to the Stimulus excited by the Violence of the Circulation Therefore bleeding is to be employed copiously on the first & without regard to the Expectoration; but if on the succeeding days the Expectoration is free and copious with relief of the Symptoms, you are then in no doubt but that Bleeding in be omitted, not from a hear of stopping the discharge but to avoid weakening the patient. The Notion of neglecting Ble ding on this principle and trusting to Expectoration only very generally of bad bonsequences, and we constude that whenever the sumptoms are high Expectoration is not

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* De Sydenham tells us 40 Oz are sufficient in the Course of 4 days but if the persons are of totarable Digous this world not be sufficient. De Pringes insermates that & gdenhams quantity was too small & Cleghorn frequently took 2403 in 40 hours and repeated it often so as to take 5 to.

O The quantity must be determined by the relief it affords & Cleghorn pays topical Becomys may sometimes between the first about that 4th day I have underwoured to imitally nature of something the translate to imitally

to supersede Bleeding. The absence of the Crust appear 0. ing on the Blood, Do Boerhave has given as a Mark by which we are to know when to cease bleeding, but every prace tioner is now underieved in this Matter, for we know that this Crush often appears as strong at the last bleeding or more so than at the first and particularly in Theurnatisms, If there. fore our practice was to be directed by this tule there would in some bases be no End to Bleeding. The various appearances of the Blood are attended with Fallacy, but if drawn with favourable Circumstances, by a large Orifice, in a constant stream running from the arm and not trickling down and when drawn in a clear Defsel not too shallow; when after being taken from the arm a Crust is not observed it shows an Inflammatory State of the Blood is not pre-sent and gives bause to suspect a puties to which of ten occurs in perpreumony. The general quantity to be taken in plewisy or perpneumony is about 31/2 lbs at different Bleedings; but the best general tule is to bleed untill the Symptoms abote, or a deliquium animi takes place at the first Operation, and repeat it as the Symptoms may re: quire and the State of the pulse will admit . Some faint up: on the slightest quantity drawn but we must not think it much better Mo great Telief is to be expected from strong purges, but gensle Laxatures are necessary to keep the Bowels open of which the Castor Oil or neutral

110. Satts appear the best especially the former. Of Emetics: The use of emetics in Inflammations of the Thorax has been forbid, at least full Hometing has been thought improper; but Iknow that Emetics in these bases will be better borne than has been generally supposed. Full Vomiting is seldom necepary or proper in the Beginning; but whether Emetus would not be use ful in Mauseating doses? It is highly probable that Emetus may be proper to abate the general hever but of no great uso with Tegard to the Topical affection: But they are not to su. -persede the Use of Bleeding. Blisters are a very weful and of ficacious Temedy in this disease. Do pringle applied them ear ly and says they prevent the necepity of taking so much Blow These are the principal Temedies on which the cure depends; but others are also necessary. The ordinary Torminations be ing by Expectoration, require attention and the Use of pects. ral Medicines of these there are two kinds; the Stimular and Emollient. Of the Himulants employed as hectorals are Squills, Gum ammonias and Volatile alkale . Tous have been a favourite ternedy with some while others were apar of their Stimulus; I think them a age but difficult to be ren. dered useful as being so disagreeable as to be rejected by Comiting . Their Operation being only on the Stornach and Bowels, by their Emetic quality they possess no superior Efficacy above other mild Emeties which I thin the best Expectorants; they operate by removing Spasm and relaxing all the Exerctories. After Bleeding, Man

+ Their Effects are greater as applied nearer the parts affected. + The longlist of Stimulants mentioned by Writers are now generally neglected except fquills. Their Stimulus is butls qui transchong pa * I believe Emeters to be the most safe Expectorants that we can employ and we frequently oftain the best Effects from small and repeated doses of the milder Emelies. m

+ Where Effusion has taken place into the Cavity of the Bronchia Wolatile alkali is very weful and I even think I have seen it preserve Sife.

to The ordinary quantity of 2 or three & of Gum arabic repeated at Intervals can have very little Effect on the whole maps of Blood.

sealing closes of Emetics prove diaphoreties and excite a". small discharge from the Stomach . Some recommend Fum ammoniae, but the Objection against Squills on assount of their heating and stimulating quality, applies here with much quater Jorce, and for my own part Thave never seen them attended with any good Effect. The Volatile alkale I think the most effectual; it is a powerful the. mulasit Last is not to be used till the Inflammatory Stage of the Diseaso is hash: In the latter Stage therefore Ithink it a powerful Expectorant. another Class of Remedies employ. ed as Expectorants are Emollients. The Matter dischar. ged from the mucous dollicles of the Bronchico is acris and by its Stimulus excites Coughing and thereby prevents that Magnation and Inspifsation in the hollicles necessary to render it bland and of a due bonsis. tences. Nature has also endowed the Glottis with extrem Sensibility which is easily ovitated, that to avoid this Fritation which even the mildesh Food occasions the parts are continually bubricated by a Fluid secretes for this purposo from certain Glands, that when this Theird is dishipated by frequent Coughing or its discharge out = prefed by a Spasm on the Excretories, then Emollients and demuleents may be useful in sheathing the parts from the acrimony of the Mucus. That they act in this Way is evident from their Effects being immediately her - cieved as soon as swallowed, hence demulcents are

re.

112. most effectual when used in a semiliquis form, that the may be gradually depolved and swallowed. The most of fectual of these is a piece of bum arabic held in them This may also be given in a Warm Solution and be useful by relaxing the Excretories of the Glands; for this purpor the Steams of Warm Water are very useful when recien into the Faures and Bronchie, particularly when the are affected with Catarrh the matter is excreted as soon as secreted; to obviate this, whatever prevents the freque cy of the posses lough, allows the Mucus to stagnate The Follieles and become bland before it is excreted; hence Emollients are employed. This purpose is also effectually obtained by Opium, but when this is proper in pleurisy. peripreumony is not sufficiently clears. It is well know that in most bases of inflammation, Opium tends to in crease it, or after its Operation is over the Symptoms re turn with greater Ciolence; it is therefore not safe und it operates by Swelat, and then if a Solution of the de ease is not produced the Consequences are dangerou therefore in general we should avoid the Use of Opins untill the Inflammatory Hage is past, after this it is viery safe and useful. Even in some loases of great Son tation, more advantages arise from quieting thebo by an Opeato, than to counterbalance any bad Effer That could arise from it Use! The now come to she of the Rheumatism this arises from extern

The Ocenna practitioners add a grain of Opicum to a dose of Oil. When the disease ends in Suppura, tion or Sangrene the physician can not to much. Le bo

and soident Causes and is attended with Frever and 113. pain of the Joints extending along the Course of the Muster and chiefly affecting the larger articulations. This and the Sout are in some respects similar, but as they are different diseases and require a different Method of Cure, so it will be necessary to give you the Characteristic Symptoms of the bout as well as the Theumatism. The Gout is preceded by an affection of the Stomach, with pain ge: nerally in the Ball of the great Toe, arising without any sensible Cause and returning at Intervals. No one Symptom is to be considered as pathognomonic; but the general Cha. 2 acter of the disease is to be betermined; They are to be distinguished by the Elmote Causes. The Rheumatism arises from external Causes; the Gout does not but by a phlogistic diathesis determined to the small Joints: It is constantly presented by some unusual affection of the Sto: mach, which is very singular, that after several days of In = digestion and other affections of the Homach; on the day im. . mediately preceeding the attack of the Sout the Symptoms which affected the Homash continely disappear and the appetite is restored. They are also to be distinguished by the part they affect & The Gout seldom affects the larger Joints or Muscles, which are constantly the Seats of the Rheumatism. Both are found to attack the Hip; in this base of Theumatism, the pain extende down the Thigh and is found to spread over many parts of the Body. This rarely happens in Jout; in Theumatism

114. The pain may exist equally in several foints at once. If the your changes its Seat the pain is abated in the place it before occupied; in Rheumatism it is about the Joints; in the Gou it is in the Joints. The Gout may also affect any foint in the Body, but seldom any but the Joes and Singers; where as in the Theumaterny it is setuated about the Joints an particularly the larger. Both diseases may be cured and again teturn but the Gout returns most prequently. The Rhe matin returns chiefly in the Spring and autumn and me return at any time when the predishoring Causes are ap. plied but is not regular. The Gout on the other hand does not return as regularly, is more unsteady and some people say that it is periodical but this is not always the Case. But the most considerable distinction is the effects of the Gout upon the Viscera which clearly distinguishes it for Rheumatism and when thrown internally for oduces vari ous diseases. To these others may be adoed, first the time of Life; There are motances of its appearing very early in by a Boy at 12 years of age had it in this bity; but the com mon time is about the age of 35 years. It seldom attacks he fore the Meridian of Sige and age may lead us to the Know -ledge of it; the Rheumatism most commonly attacks soo ner. another distinguishing burumstance may be drawn from the Box westered Temperament of the patient, The Sanguine being more liable to Theumatism Han South The come now to treat more particularly of Chlumatism: have told you its predisposing bauses. The are well argue

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ted with the diseases of all the Morthern Climates and in Europe also, where we find the Thoumatism prevails; and yet in the Southern Climates it is very raw. a predisposition to the Theumatism is acquired by the application of Gold as a proof of this we observe that Cheumatisms are most frequent in this Season of the Year, this is farther illustrated by our Considerations on Climates. In those Countries that have little Winter or Frost, few Theumatisms are known, The actual Occurrence of this disease depends whon the astion of Heat and Cold alternating, as at the Time of a Thaw in the Spring or autumn; also when the Fluids have been rarefied by the Heat of Summer the Vepels become more contracted by the sudden bold of October but this disease happens most frequently in the Spring after some vernal Heat has taken place. From this it follows that a rarefaction of the Theids , while the Solids remain constric. ted on a Construction of the Holids while the Fluids are rarefied will in both or in either base produce an increased Im. - petus & Distension in the Vefils of the part affected with pain and Inflammation. This cannot long be supported in any Case without producing a spasm on the Defsels of the parts. This Spasm being in a particular part may be casily communicated to the System & produce the Fever which attends it; or an Inflammatory State of the System may exist independant of any topual inflammation. The general Inflammatory diathesis consists in an increased Tone

116. or Contractility of the arterial System and may be deter minesto a particular part, when a predis position was per. haps at the same present; this Explains the Combination of different Inflammalory diseases and their frequent Change of Situation, viz how plewisy may shift from one Lobe of the Lungs to the other, and to the Throat; hence also the frequent Change of place that occurs in Rheumatism this therefore proves it to be owing to general Inflammatory dia. thesis. Of the Cure: In this we proceed on the principles of an Inflammatory diathesis that it is to be attempted by the anti Johlogister Tegimen in all its parts. Nothing is more necessary in this disease than Bleeding and with this low Diet; you can how by lower the diet too much dunnet Whey is very useful and we are to avoid every kind of Ivilation. All the Ternedies made use of for Inflammations will be useful and necessary but bleeding is a principal Cemedy and should be use in large Quantities according to the Universality of the Discase, with the Constitution age and Habit of the patient; but care must be taken not to Bleed to except for fear of its producing a relapse and inducing tropsy. This is to be derected by the figure tome and Strength of the patient. We often find that, after The Symptoms are abated there is a great debility owing to excepive Aleeding; a certain quantity of Blood is necessar . ry but not easily ascertained. The Temoval of this dis: ease is not to be expected without Bleeding; and when then is Tumour or swelled Joints Topical Bleeding will be found necessary to relieve the Inflammation there. Topical Da

on many Oriaions Bluding is und to excep-

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ding goes no further than to relieve Topical Inflammia. tion and after this Operation it has been found next mor. ning in the other limb; but when there is general pohlo. gistic deathesis, we must employ general Bleeding Topical applications are useless unless the Inflammatory deathesis is first removed. Warm Formentations unless they effec. tually relione, will aggravate the disease not only in the particular hart but in the System in general. Of the Tubefacientias; they have been employed of late and the Volatile alkali combined with Oil, constituting the reolatile Siniment, appears to be the best, but is not to be used till the Inflammations is abated. The Translation of this disease from one part to another is dwing to the too early Use of these Medicines. But a most effectual temery is Plisters applied to the part affected In Frever Blisters as as antispasmodies by relaxing the part to which they are applied, which telaxation is communicated to The System, therefore may be applied to any part; But not so in Theumatism. Beside this they act as Evacuants, by discharging a quantity of Serum and relieving the Congestion of the Vefoels Bliters however will seldom contribute to the Cure in a general phlogis tic diathesis but in Topical Inflammation they may be of Service. among other Temedies that have been em. ployed are Sudorific proges as Gam baracum which appears to have good Effects; but the advantages of these in removing the Tension of the arterial System Itold

you formerly was not equal and in the early stage of Rheumateson where the least Motion is painful and who the pain is very violent purging is to be avorted and very gentle Laxative Slysters to be made use of in Gases of Costweness. another Method of Cure is by Sweating, this has been lately introduced by In Clarke of Edinburg but this practice has often been hurtful and its Surces entirely depends whom the Manner and Means by which it is excited. It is easy to consieve that in some Constitution Sweating is excited with great difficulty unless great Hear and Stimulus be applied which was found to aggravate The disease. This rendered the practice doubtful until Do wers powder was introduced which was found to effect the purpose without much increased Impeters of the Thuis Down powder is the best Judorific and is a Combination of Spiun with a portion of a Neutral Salt and the Emelie artar. an Opiate combined with a Noutral Salt and some of the Fart Emet sufficient to produce a little Comitingis The best Sudorific to promote a Sweating when necessary may Sweating be employed before the general phlogistic diathesis is removed ! If we wait until Bleeding take of the phlogistic Chatheris, we often find that it will weaken the patient. The loure will be performed more safe by and speedily by Aleeding and Sweating than by Bleeding only; but Bleeding is first to be employed and the Infla : matory diatheris taken down in part before the Use of Su ting. The Method of conducting a Sweat, is to begin

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+ This is not the case with artificial Sweats ex. ates at a proper time of the disease.

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in the morning by giving a dose of Clover's hower or some thing similar and continuing the Sweat through the Day and perhaps part of the night, but if possible it is best when employed in the day and not in the might - It is best when begun in the morning after Sleep, for if we interrupt the nights sleep we produce Tritation. By Sweating we formers remove the Spasm and all that follows after; the the Sever that here takes place is of the Cemittens kind; and another leason for it being best when carried on in the day is because we can have no dependance on Murses in giving of drinks in the night. Mothing is more frequent in This disease than a Spontaneous Sweating to come on early in this disease, but they are seldom useful and not to be encouraged, Dovers powder contains a large quantity of Opium and whatever Composition of a similar Stature you employ ought to contain 2/2 Grains in each dove, or 3 grains in some bases, these will only be proper doses. It is best to lay the patient in Blankets and wear a Woolen Shirt and the Medicines metationed above should be given in form of Boluses covered with a Wafes. It is best when they are dissolved in the Stomach and no lequid should be admitted in order to prevent Comiting, nor till the nausea has abated and a glowing Heat with some Sweat appears, then plenty of deleting drunks given in small quantities and frequently. All Sweats are iseful in proportion as they are general; and as they some.

120 times come out Slowly in the lower Extremities, we are then to afsist it by Warm Bricks and an increase of Bed blother applied to the Extremities. By these several Means we produce a Sweat but if the patient complains of extreme heat and anxiety we should then diminish the external Heat for a while as much as possible. When the Sweating comes on it sh be continued at least 12 hours and 24 if the patient can bear it, or if the pain is not entirely removed may be continued longer you no doubt remember the Observations Imade upon the pra tie of Sweating in Fevers recommended by Dr Chalmers of South Carolina; the Sweating was to be continues untill the Time of the next paroxysm was past & as the Theurnation is often periodical the Sweating shouts be conducted in that manner. If the patient is restless and will not take any more Medicine, he should at least continue in Bed 24 hour if the disease proves Obstinate the Medicine should be repeated Morning and Evening and those Temedier employed with the utmost Extent; and observe this Caution, that if the Morning dose is given and Liveating continued the the day the Evening dose must be lessened. another medy is the Barks; there may be bases where this is serviceable, as every debrile disease has the Exacerbation and Temissions. In Theumation where there are eviden Exacertations and returns in the Evening, where the Unit on the area of or a many breaks and deposits a Sediment, it is a sign of or a many uce and and bro re oge The Control of Manager Statement and Control of the Den

THE RESIDENCE THE PROPERTY OF Liver Stronger to that It there are not the wife of the comment and the particular of the special properties of the conduction of

of a Telaxation of the Depels and where there are we. may employ the Barks with advantage; and it is best when given in the Forenoon, but whether it will succeed, I have not had an Opportunity to determine. Of the Chronic Rhellmatism: in this there is no Lever or Inflammation of a particular Joint, but is so often a Consequence of the acute and so much like it, as to be considered only as a part of the same disease and is an affection of the Muscles. To me it appears to depend whom a certain attornia or loss of Tone in the parts or in other words a relaxation of the tespels of their parts. That the Chronic Theumatism consists in a Weakness and want of Some in the parts is wident from this, that there is a boldness of the part, whilst a warm sweat appears over The whole Body; the parts affected also with Gold Sweat This Opinion is also founded whom Experience & foractive accordingly we find that wrapping the part in Flannel and dipping it in the Warm Bath to gether with long & repeated Frictions are found the best temedies. The bold Batto in the Warm Season is also useful; and the Usebefacientia, Volatile Liniment, Blisters and Tiding on Horse Back are all useful and act as Stimulant's giving Jone to the part. Internal Medicines may be given & the from bucacum is the most celebrated; taken in such quanti = tues as to produce a diaphoresis and as a Laxative; this may advantageously combined with Soup in proper quan teties with Tartar emetic and those made into fills will be

Hemoptoe so often terminates in Phthisis pulmonalist is commonly thought to be owing to the constant action to which the Lungs are subject which prevents their heading by the first Intention, or when relevanted prevents the healing as soon as an Aleer of any other parts of the Point of the Opinion is not well founded or satisfactory as the are often found to heal without any difficulty. When runted in base of Hemoptoe neither is there any thing in

the Structure or Situation of the Lungs to prevent their healing. The teason of the frequent teturn of Hamop. toe is generally supposed to be a followord determinate to the Lungs; but I think it is rather owing to a particular Change being made in the Ballanco of the Hu

is by Obstruction of the Menses or other Evasuation Hamofite

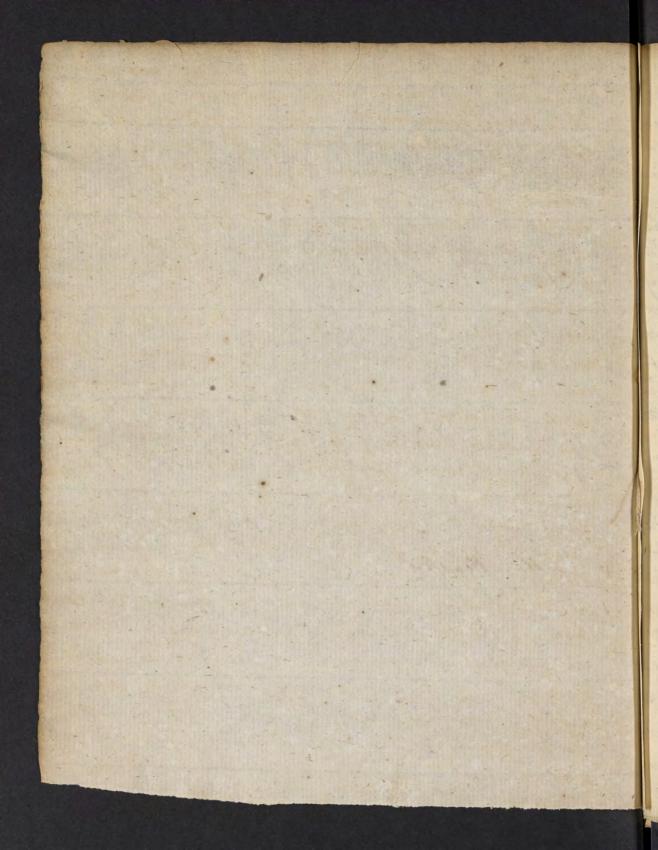
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Homoptoes does not neceparily produce thethis is pulmo. 123. nalis as we know that it may continue frequently to return throughout the whole Course of Life, without producing Ulcerations of the Lungs. We are neat led to consider on what the difficulty of the Cure of Uliers in the Lungs depends Some suppose it to be owing to their being exposed to the air as bold au is found to retars the bure of external Ulcers but this not evident or clear the Case is different, as Ithink the parts do not admit the free acception of the air at least not Gold air. Hemoptoe in many Cases is innocent, but often precedes a phthis is pulmonalis; this is not owing to a peculiar Conformation or Situation of these Organs but to a feculiar Caire yours State of the This disease is common to Scrophulous Habits & often affects the Conglobate Flands of the Next The Tubercles in the Lungs resemble Conglobate Glands turnefied; there sometimes happen without Spitting of Blood, but this is often followed by and is a Consequence of Subercles, Scarce any Spitting of Blood that happens and proves the forerun. new of Phthisis, but what is owing to Subercles; Therefore if Homopton and Ulceration of the lungs happens without being followed by Tubercles, they selvom produce Phthisis & therefore I think it probable that when a Spitting comes on it is chiefly owing to Subereles. The Ted Defsels of the Lungs are very thin and may easily be ruptured and bring on a flit. ting of the Blood for the Blood may be poured out by lup. thre or anastomosis, whenever any increased Impetus of The Blood happens and may be produced by Tuberles with -

124 out any particular determination to the Lungs on Jolethor preceeding. Thuis I have given you what is generally the Caus of spitting of Blood from Tubercles, Scrophulous Tubercles and not the only ones that suppose to be seated here. another of the System by which a determination to the Sunge takes place and produces within of the Clefsels which Effusion for itself into a leyor which straightens the neighbouring Clefsels and brings on Komoptoe. another bause of Subercles more certain is that which Tradesmen of different kinds are particularly liable to, voz. Dust, as Millers, Stone Cutters and Hax brefus who are constantly involved in dust of different kinds. The that these have Hamoptoe from the large quantity of dust lodge in the Thonchigo and from thener is communicated to the Lungs themselves producing Tubercles. The dust blown into the llings adheres to the Sides thereof and by its brotation produces Congestion and so lays the Foundation for all this follows as the Subercles teg. We also observe that the Lungs and bonglobate Glands may be obstructed by different kinds of Acrimony as from Exanthemato and Venereal Vinus there first by their brotation produce Tubercles. The fol. lowing base is not easily to be accounted for, which is an Efficien into the Mucous Follicles of a Chally or Calia seous Substance which is often shit up in large quanto: ties for a great length of Vime, this sometimes produced phthisis, but at others after continuing a long time the patient entirely recover it is called an alleer male mores.

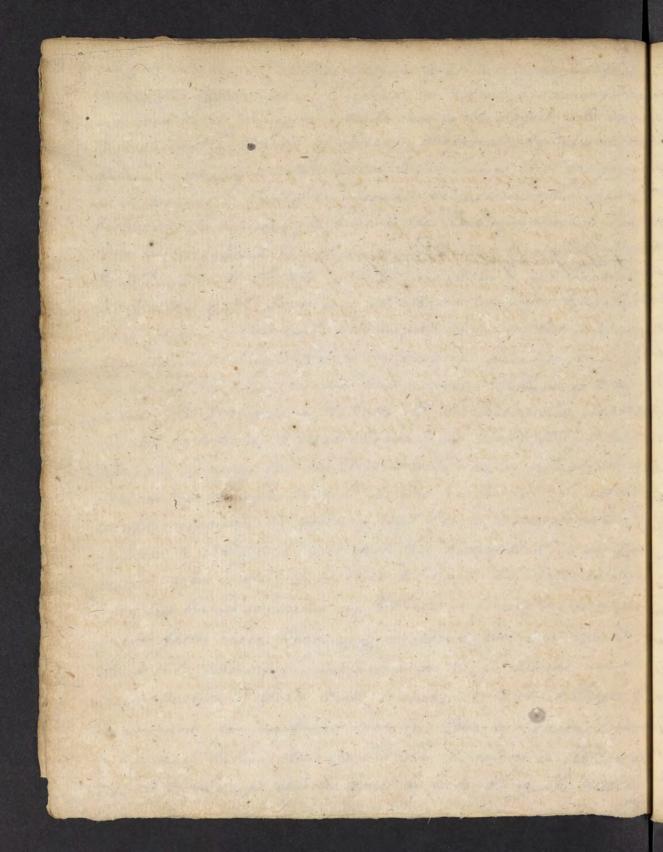
s are ance kes r form and tain erly efurs The dush ated rawn tion Mak gs kinds as the Measles lol. an lea. erte: ba= ris.



For further particulars on bons umption I would you you to consult Dr. Reids on this disease which to me appears the best thing Thave ever seen on this Subject. I have given you the Outlines of the phthisis pulmonalis and its Connection with Homoptoe by which you see that Hamoptoe is only the Symptom of a prevailing prediposition. all the various ban ses of Tubercles, may be the Causes of Johthisis, but when we consider that Hamoptos may happen often this the bourn of Life without producing thethisis we conclude that Tuberles containing a Matter not capable of being converted into law. dable pus are the principals Cause of Phthisis . Of the EUNG of Phthisis Julmonalis: as this depends upon Tuber. cles and Hemoptoe, all we san do is to quard against the further Irritation from that Cause. The Methods of doing This we shall place under 4 heads; 1th to obviate and remove plethora. 2nd To take off Johlogistic diathesis. 300 To take off The determination to the Sungs 4th to restore the determinate. to the Surface The first viz obviating and removing bethere is to be done by diet. It may be alledged that no general plethora takes place, if there is not we know that there is a partial plethora of the Lungs which requires this tegimen; in the Use of which two Circumstances are to be attended to 1st That the we are to take off or obviate thethe same time are to avoid at the same time any tetermie nation to the Lungs which is produced by bold and we know What the weakness of the System favours the Operation of Gold . Therefore the diet should not be too low . The Ind

126. 2nd is that when the Alceration has gone to a considerable leng the Matter comments is of a Sedative nature producing then ness and Lever; therefore a milk diet is the Safest and mos proper another means of obviating plethorais by Exercise by if there is already a detarmination to the Lungs, it is dangerous as it produces a quicker and forcible bireulation; this may be proper in the beginning to promote the determination to the Skin but ingeneral is not the proper means to avois folethore The 3" means to obviate a plethois State is by Bleeding. The practice of Dr. Dover was small and repeated Bleedings Sam not now to enter into any dispute about it; but in Consum tions so far As they depend whom folethora Bleeding may be employed till that period is past in which Mithies is to be spected. The 2nd flead is to take off the phlogistio diather this is to be done in a great Measure by Blob Setting which especially necessary but the Vegetable diet must not be avoided It is on this principle that Dr. Dovers practice is to be admitte another Means is by avoiding heat of in a warm Season Hea is found to encrease it, and upon this forming lo Consumption people were ordered to be sent to rearin Climates in Sum mere but this is injurious as Phthisis is found to increase much faster there than in a moderate blimate. The 3. Head is to take off the determination to the Sungs; and a the application of Gold tends to increase it it is chiefly to be avoided; for we know that the Windy Seasons comm by produce this pulmonalis. The avoiding a alternin tion to the Lungs is to be done by promoting the determ

+ the principle Remedy



= nation to the Surface. For this purpose light warm Close? thing is necessary, particularly wearing Hannel next the Skin; this is of great Importance and advantage as it will promote an equable perspiration. The Temperature of the dir should never excede 62 or 64 degrees of Fahrenheits Thermometer and should be very little below it Besides the Change of blimate this purpose is in some measure to be answered by Blisters and Isues The latter which have been used contribute greatly to remove plethora and take off the determination to the sungs. Histors are the most unful when employed after the Manner of Joies by a perpetual discharge. The 4th Inducation in the Cours of Hamps toe is to support the determination to the Surface; this is to be performed by the different Moder of Gestation which acts by its Stimules whom the Sanguiferous Depels; therefore one my gentle and constant motion by Exercise increases the determination to the Skin. Dr Sydenham recommends riding on Horseback and speak in the strongest manner of the Usefulness of this kind of Exercise; and another Gen. than ever it cured; but I suppose both have their pregustices . On the other hand there have been many instances of bures performed thereby. Some cannot be avriding, and at other times it is of service. Hard Jolling in Carriages is also dangerous and it is true that riving in a Carriage over stones to das produces an Homofitoe and by two or three days rest it has been removed. No Method of

Tiding succeeds so well as long fournies with good Company but this is now spoken of with less confidence than formerly. The ancients recommended sailing and it is now adopted by most Moderns; it is of all others the best method of Gestard On this Subject you may consult D. Gelebrist: Its use does not depend upon the Sea Sickness as some have supposed the this may be in some measure weful by nauseating and thereby Increasing the determination to the Surface . another Benefit arising from the Sea air is its equal Temperature an not from its humidity; but its greatest advantage arises from the particular Motion a getating the Fluids proving a con stant and gentle impulse on the Vefsels without Body Exercise both Night and day asleep or awake, and there fore is the most useful Method of detormining the Thuis to the Surface Sailing is not only of Service here but in me my Chronic dinases which require this determination. To is not always dangerous and that the danger will be in proportion as it tends to produce Consumption or an us cerated State of the Lungs. Of the Morognosis: It is difficult to determine in what State the Consumption ma be said to be curable or incurable as no certain briterin has been found. When it is surable the remedies are new by the same in all its stages. The lowe Itoto you was divided into 4 heads, altho I have omitted many Their that might have been mentioned; but the Temes already mentioner and recommended I shall now ptate

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constraint of the second supplies on the second second at the second of the the mark there are a second of the state of the second st the second in the stay of the stage of horizon in the after and appropriate with a final operation in Months regarded with the experience which there there

state in the Order they are generally required. First fre? quent small Bleedings, onde every 2, 3 or 4 teleps to take of plethora and remove the phlogistic deathesis. 2nd a diet consisting chiefly of Milk and Tipe Fruits where the pate ent can bear them, being excellent Tefrigerants. Rennet Whey for common drink will be useful and where acidity prevails in the Stomach weak plesh Broth or Eggs boiled soft may be allowed; but if possible this last diet should be avoided. To take off the determination from the Lungs Blisters on I pues may be applied to the part most affected and repea. ted as soon as dry also cupping and Scarification, Exer. ciso in a Carriage where Strength will permit, but above all Sailing. I have seen Instances where the Sea air was so disagreeable as not to be borne, but this is an uncom mon Circumstance. The only internal Ternedy that I have found useful is Thecacuanta Igr. Magnes. 10 gr. The magnesia I order to remove the and in the Stomark or rather uniting with it forms an neutral Salt which proves diaphoretis. The Thecar is also diaphoretis & antispasmodie apists Expectoration and determines to the Surface. When the Phthisis arises from Sorophulas Sorder Calomel with the above, about 1/2 grains; but where there is a phologistic diathesis in the System large to: ses of Calomil would be injurious by its Strimelus & care is to be taken that it does not affect the Mouts. Mercury when a Mathies is produced from Dorophula will be best; and Mineral Waters may be allowed

especially if mixed with milks. If the Stomach is greatly re laxed with Mervous Symptoms, Steel may be added to The Magnesia and given 2 or 3 times a day. Elixir of letre of is good but if you find it produce a tickling bough you must forbear its lov. To remove a tickling bough I order a piece of Gum arabic to be held in the Mouth and gra dually dissolved. I never give Falsams, Jellier nor fyr of any kins as I commonly leave this for Old Wedmen to prescribe. We are next to treat of the Dyserter It is defined to be a disorder consisting in a Contagi ous Lever with a fuguent discharge of Mucus or Blo dy Stools while the Matural Faces are retained, with a violent Griping and Tenesmus. It is not determined whether the Contagion is of a specific kind and how are we to distinguish this from other preternatural dischar ges from the Bowels? The most certain Creterismis It always being contagious. a Dearrhan is without Contagion. 2nd While the Stools are frequent and Bloody | which is not pathognomonics | the natural Faces are tetained. In Diarrhan there is no tetention of them. as we have now established it we shall go on to consche its History. The alysentery generally appears in Summe I autumn and we further observe that asit appears at the same Time with March devers it is supposed to be owing to the same Marsh Effluria which produces buten mittent and Terrettent Thevers differently modefied by Evisionstances. The ordinary appearance of the alux

1. The History of this Disease is well delivered by later Writers. The discharges by Stool are of considerable Variety and owing to Different Courses. 2. Bloody Stools by no means apply in forming a distinguish. ing Character of this Disease: There is the Dysenteria alba; hence we see its not being attended with bloody stools dresnot prove that it is not the Dysentery w re ar: 3. The Dysentery may and does appear at any time of the year but its ordinary appearance is in the Summer & testumen. 1 Hever and Dysentery often occur legather.

- 1. The Dypentery, like other bilious Disorders may appear early in the Sumber
- 2. In 40 attempts to go to Stool the discharges are not equal to one produced by a purgative. Mucous or Bloody Matter in small quantities may be furnished by the Rectum.
 - 3 There i.e. the Natural Haces.

4. Upon exhibiting a purgative the haces are evacuated which

is always in Summer Season . Tele find that dysentery as well as the Intermittent and remittent Levers does not appear tell after the Hot Season has produced a Change in the Bile, favouring the Operation of the Contagion. Other Causes may also occur, the principal of which is the Obstruction of perspi: ration owing to Moisture . Of the Operation of the Contagion in producing the disease: It first produces Tever an acrito mate increased printed Motion and hence Se. ter is thrown upon the Intestines producing an increased Se. oration and Tejection of Mucous Stools without any appear rame of the natural Faces. These appear on the administra tion of purges, therefore the Motion of some that the matter discharges by Stool was the natural Faces dissolved and assuming that appearance is groundless for they are not disolved, but retained and when they do appear it is in the form of hardened thest or Scybala. From this it appears that there is preternatural bondbution of the bolon which matters prevents the faculent from being evacuated. To this it may be objected that the stools are sometimes plentiful and in too great quantities to be exercted from the Aucous Follicles of Meller tum. In answer to which I grant that the bolon may admit the more fluid Parts of the Faces to pass, while the grafour are retained, this is proud from their afterwards being dis. charged on the Exhibition of a purgative, to gether with the Hardness and Form of Seybala. This also frequently hap. pens in bases of Colic. The only Doubt is whether the

same Matter that affects the Colon affects the Textum. In my On nion it is different and the latter is the Effect of the Spasm on the former. The Spasm emulges the Tollieles, produces a discharge of Mucus and even of Blood from the Welsels superficially setu ated whon the lectum; and also compressing the Paces into the Cells of the Colon forming the appearance of Scybala. This disease has different Situations and different degrees of Buttes. cency . pustules have been found in the intertines upon diff exter on there Whink are Effects and not causes of the disease. The Theory of this disease is that the bolon is considered to be under Construction, with this Construction there is some peristattie the tion and while is not sufficient to push the hardened Faces, it pushes the Mucus and at the same timo throws the Blood with it which will account for the whole Thanormena. Of the CWIL: The first Inducation is to obviate of remove the Construction of the Colon; this is to be done by purgatives combined with Opeum and frequently joined to gether, then are given with a view of throwing off or evacuating any offer - ding matter, which if the passage of the Intestines is ofener freely paper off; a the principal Intention is to remove the Construction of the Colon which causes the hardene daies. Thubarb and Calomel have been much esterned by late Writers but are very improper as all aired purges are to be avoided as they cannot be given often enough to remove The Symptoms. The Mildest purgatives are to be employed

1. Whether the same Matter that produces the Constriction of the Colon ivitates the Restum to more frequent Contraction The Doctor thinks not. The Explanation is thus: The Colon is under Construction by which it is more exactly divided into thow bells in which the Suplala are retained - this Construction is propagated down to the Rectum and promoty The Exerction of Musus tes. 2. Dr. Aringle says their use consists in evacuating the har-dened Hous, but neither does this come up to my Idea

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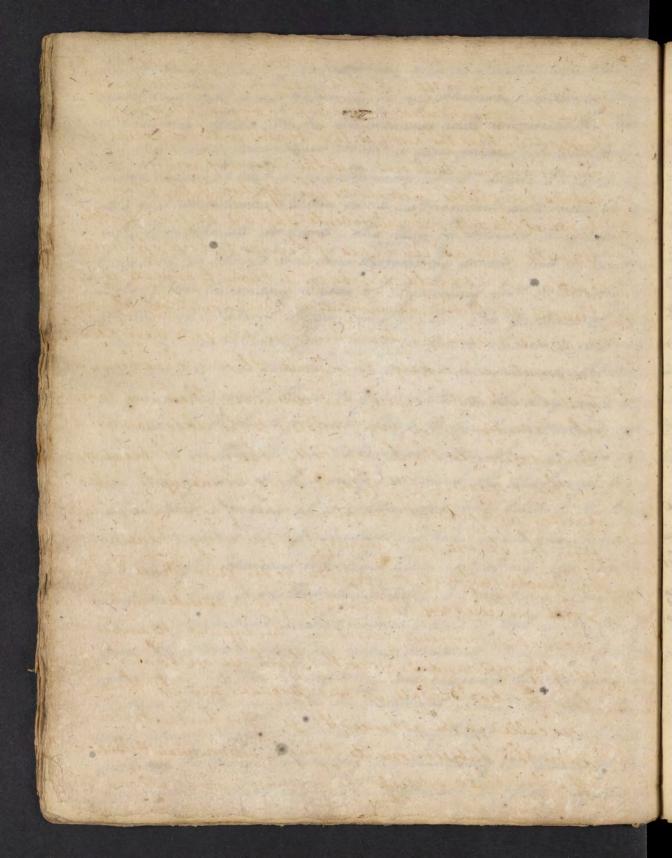
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I Hard he property that the the form of the bis. of the destroy with the the land from the forgive is descend with Constitution by which the is more done do just then lette to whole the totalled in relained frontistion is freshing att down to the Colins of the Exacted of Mines De 1. The Section of the second I Marrigh pay him now course to in concession desid Hour his marker does in some with to my the

and the want of Force or activity should be supplied by 133. their more frequent Use; they should be applied early in the disease as being more effectual in removing Construction and should be given more frequently to prevent a teturn of the Construction. The Lastives that Temploy upon this Ocea. sion and with the greatest Success withe Mentral Satts &p Castor Oil; the latter is particularly to be attended to if the Scybala are evacuated it is a favourable Sign and when not followed by the usual Griping, pains and Tenesmus. The Cure is therefore to be performed by the proper Use of purgatives the reby to procure an Evacuation of all the Vitiated Bile on acrid Matter, and a Solution of the Construction. The most certain Temedy to remove Dysentery is mild purgatives made use of titl all the vicious matter is coasuated. Some as I have mentioned to you, make use of Phubarb and Calomel, but when we have recovered to such a Temedy as Calomel we cannot repeat it but at very long Intervals and altho they give ease they favour a Construction and are therefore mischievois and hurtful. astringents are improper in the first stage of dysentery and must not be employed till the advances State where there are great Symptoms of debility te . I hall next consider Lap. ative Medicines; my practice of administering them is to keep the Towels constantly open till they are sufficiently evacuated: Thus I give Sal. Glaub. If every two hours; Brem. Tartar. may be employed for the same purpose give 134 in Beveridge. Dr. Zimmerman has a Treatiso on this dis: ease; and with great propriety in my Opinion condemns the us of Thubarb here. Ihope physicians will renounce the Use of Thubard as a purgative as it is dangerous; it was formerly much esteemed but in my Opinion is not safe. It is indeed a good Stomachie Bitter and astringent and may in som other Complaints do good. The Use of Opium however as frequently employed has been separted by some, but is undown. tedly of the in many Cases of aysenting both to remove Con struction and take of Spasm and pain. The Violence of pain often requires Opium, and it is proper to give it to remove this and to give ease that the patient may recover strength in some measure. Thus to give Salts in the day and an Opiate at Night to prower Sleep is the best method . It is not to be Mought an astrungent altogether, it does not act directly as such but only suspends the discharge for a short time. In general it contribules but little to the Cure but is necessary as a pulliative. I here shall give you an Instance of a Woman who had lain in about 48 hours and who had a violent Dysentery; I gave her a dose of Opium afterwards a Saxative as Castor Oil and after this gave the Bark for there were evident Marks of putros faction - If the symptoms are relieved by purging only the Use of Opium will be necessary. There also other Temes dies which may occasionally be employed; in the young and my Plethoris Heeding particularly in Cases of h. flammatory diathesis. The Stomach is often affected with

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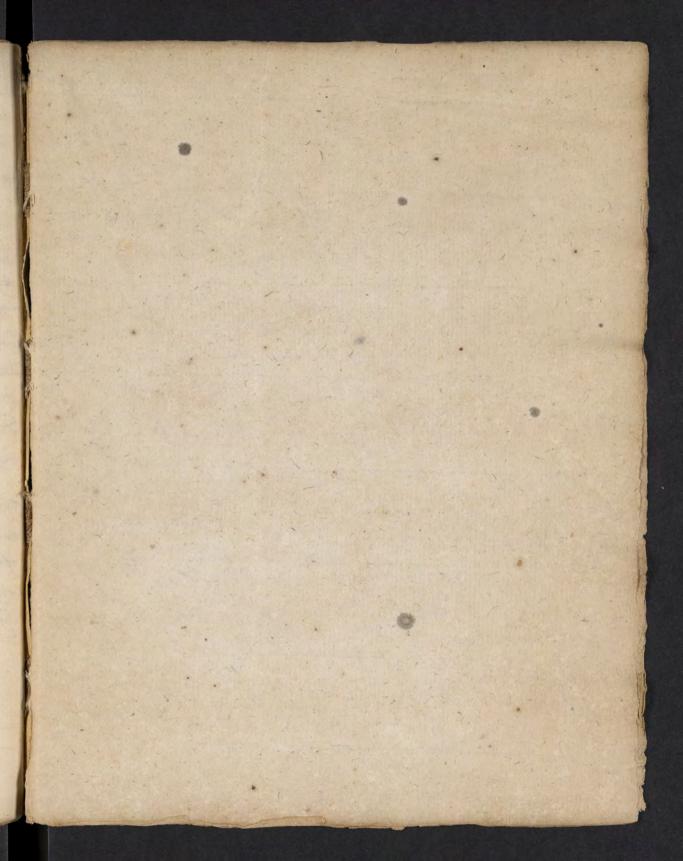
Sofs of appetite and Mausea. The Bile being caviced into the Stomach, the Interruption of the papage of the Intertines favours the accumulation of is in that Organ. It is with propriety then that the bure is to be begun with an Emetic, but Emetics however will not cure the dysentery without they ast as purgatives. Sometimes the affection of the Romach produces audity, but absorbents should be used with Caution and as acidity is of Service to keep off putre: faction we should not be in a herry to obviate it. To prevent the putrio hermentation acefeent Elegetables and acids are necepary. Demulunts as Oils and Gum arabic are sometimes necepary. Emollient Glysters have been used with Success and require your attention. There are two other Temedies of Use viz. Plisters to the abdomen and Tomentations to the Lower Belly; these are of great use in this disease. If there is a great Tendency to putre: faction and evident Symptoms thereof which we judge of from the Season, the nature of the prevailing Epidemic, and The quick low pulse to we then or der acid Wines & Bank which are necessary particularly if it is attended with he = riodical Movements. There are the different Medicines made use of by me and I can with Truth declare that I never lost but two patients in this disease, and to those I was called in the advances Stage. For further information onon this Subject consult pringle, Zimmerman & Baker. If a Diarrhan succeeds the dysentery astrungents are to be

136. used as strong devotions of Bark with Elix Vitriol te. To render the Subject more clear I shall here repeat the bure that you may comprehend it in a shorter View . First, Bleed if an Inflamma. tony diatheris prevails in the System. Second, Evacuate the Ho. mach by a dose of Thecacuanha or Sartar Emetic; in the Eve. ning give an anodyne diaphonetic Bolus. Third, Laxatures such as Glauber's Salts with Tart. Ernet to determine to the Surface the repeating the above Bolis in the Evening at Bed Time This Treatment is to be continued untile the Ducase is removed. If the Griping is very severe Laudanum may be mixed with the bastor Oil and a letter Sp. Lavens. Comp. or Cinnamon Water to make it more grateful; Beside there Tomentation to the abdomen and Boluses of Campohor with Therias as excellent remedies. Setting over the Hot Bath is excellent; the drink much be axid and diet much consist of Frints & milk I have thus Gentlemen, given you the Methods of Bure and have repeated those which I wish you to remember. I must now conclude with my sincerest Twishes for your Wellfare also hoping you will always conduct yourselves in such a manoner as to do to Service to your Fellow Creatures and to get ho: : now to yourselves, remembering to do unto all men as you would they should Do unto you.

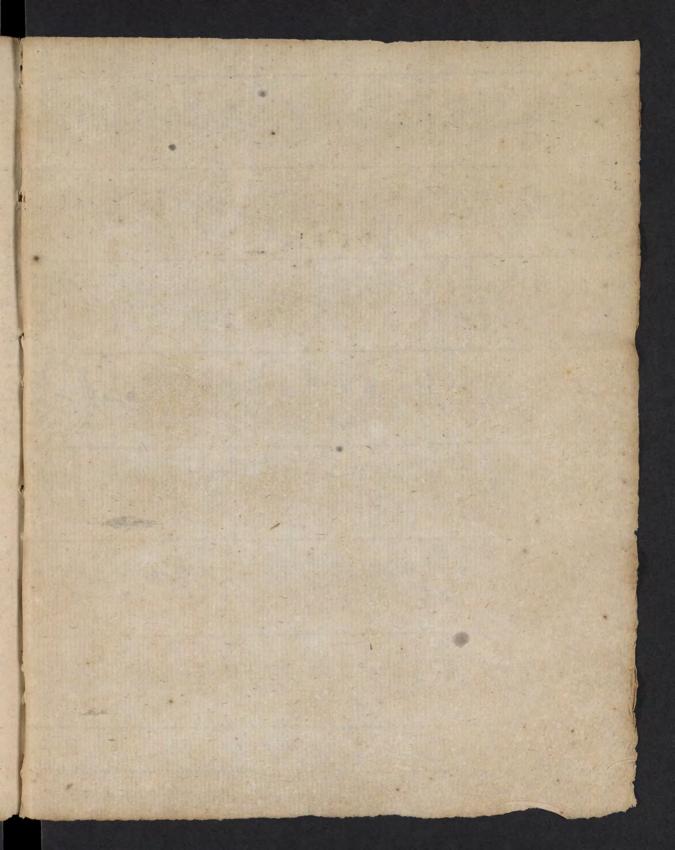
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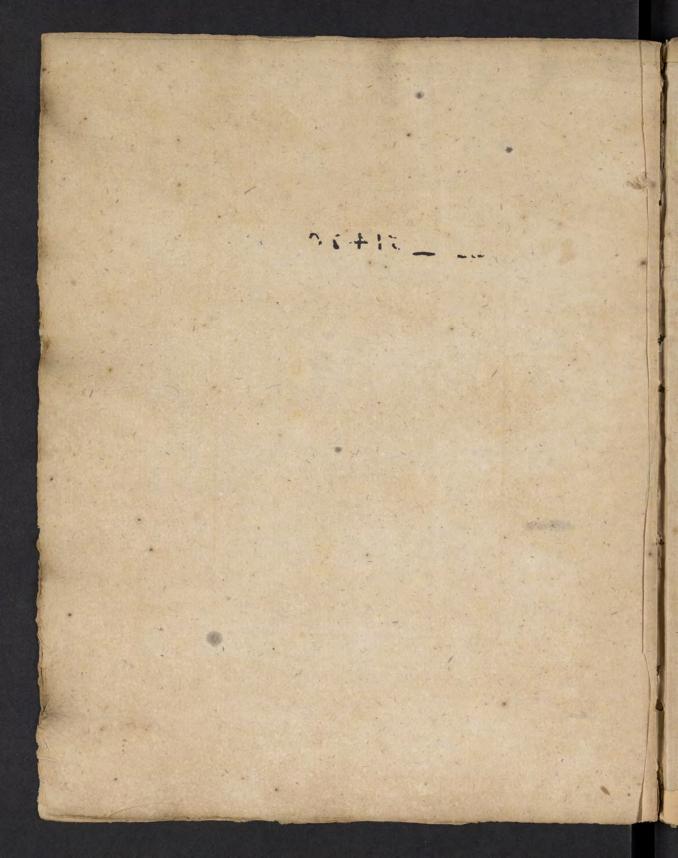
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Presented by

Mr. Hungh Leury Hordge

